

# *Egimotors*

## 2023

### OWNER'S MANUAL

### QUADRICYCLE

### *SPORTSMAN TOURING 570 E*

Owner's manual part Number - OM23QSPT570E

Read this manual carefully. It contains important safety information. This is an adult Quadricycle only.  
Operation is prohibited for those under 18 years of age.

 **WARNING**

This Owner Manual refers to EGIMOTORS QUADRICYCLES  
(To be filled in by your Dealer)

This Owner's Manual should always remain inside your quadricycle.  
A digital/printable copy is available on [www.egimotors.com](http://www.egimotors.com)

Year \_\_\_\_\_

Model Type \_\_\_\_\_

Code number (spare parts use only) \_\_\_\_\_

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

Engine Serial Number \_\_\_\_\_

Key Number \_\_\_\_\_

Registration Plate Number \_\_\_\_\_

## WELCOME

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Thank you for purchasing an Egimotors Quadricycle, and welcome to our world-wide family of enthusiasts.

We have done This manual to inform you on how to use and maintain the best condition of operation for your Quadricycle.

If after reading this manual, you still have some questions please do not hesitate to contact your dealer that will be available to help you.

Be sure to visit us online at [www.Egimotors.it](http://www.Egimotors.it) for the latest news and for product and Safety information.

We believe we sets a standard of excellence for all utility and Quadricycle manufactured in the world today.

Many years of experience have gone into the engineering, design, and development of your Quadricycle, making it the finest machine we've ever produced.

For safe and enjoyable operation of your Quadricycle, be sure to follow the instructions and recommendations in this owner's manual.

Your manual contains instructions for the maintenance of the Quadricycle and information about repairs.

Service Manual are available from Dealers, only them can perform major repair and install accessory.

Your dealer knows your Quadricycle better than anyone and is interested in your total satisfaction, he can perform your service needs during and after the warranty period.

For the most up-to-date owner's manual visit:  
<http://egimotors.it/libretto-uso-manutenzione/>

Read and understand this Owner's Manual is extremely important for your safety and for all the operators, so please take your time to read all the pages and be sure that is someone else will use the Quadricycle before will take this manual and read and understand all, this will give you the best knowledge and skills on how to ride in security.

If the information contained within this publication is based on the latest product information at the time of publication.

Due to constant improvement in the design and quality of product components, some minor discrepancies may result between the actual unit and the information presented in this publication.

Descriptions and or procedure in this publication are intended for reference use only. No Liability can be accepted for omission or inaccuracies. Any reprinting or reuse of the depictions and or procedures contained within this publication are intended for reference use only. The original instruction is in English.

Other languages are provided as translation of the original Instruction see the Egimotors website for more details and procedure.

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# INTRODUCTION

## IMPORTANT WARNING ABOUT THIS MANUAL

 **WARNING**

Failure to heed the warnings and safety precaution contained in this manual can result in severe injury or death.

A Quadricycle is not a toy and can be hazardous to operate.

This unit handles different than motorcycles or cars.

A collision or rollover can occur quickly, even during routine maneuvers like turning, or driving on hills or over obstacle if you fail to take proper precaution. Read this Owner's manual for your safety.

Understand all safety Warning, precautions operating procedures before operating the Quadricycle.

Keep this manual with the Quadricycle always available to consult.

Never operate without proper preparation and instruction.

Take a certified Quadricycle safety training course before using it.

This Quadricycle is an **ADULT QUADRICYCLE ONLY**.

Operation is prohibited for anyone under 18 years of age.

Never permit a guest to operate the Quadricycle unless the Guest has read this manual, and all product labels and completed a certified Safety Training Course. Consult your local laws for extra security and regulations about the use of this kind of Quadricycle.



## INTRODUCTION

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### SAFETY SYMBOLS AND SIGNAL WORDS

The following signal words and symbols appear throughout this manual and on your Quadricycle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual.

 **DANGER**

DANGER indicates a hazardous situation which, if not avoided, WILL result in death or serious injury.

 **WARNING**

WARNING indicates a hazardous situation which, if not avoided, COULD result in death or serious injury.

 **CAUTION**

CAUTION indicates a hazardous situation which, if not avoided, COULD result in minor to moderate injury.

**NOTICE**

NOTICE provides key information by clarifying instructions.

**IMPORTANT**

IMPORTANT provides key reminders during disassembly, assembly, and inspection of components.

The Prohibition Safety Sign indicates an action NOT to take in order to avoid a hazard.



The Mandatory Action Sign indicates an action that NEEDS to be taken to avoid a hazard.





This document is setting out the contents of the EC Declaration of Conformity. The particulars of machinery may differ for specific model.

## RADIO COMPLIANCE STATEMENTS

### EUROPEAN UNION (EU) RADIO COMPLIANCE

This Quadricycle may contain the following radio equipment or components that contain radio equipment:

<b>COMPONENT</b>	<b>B1 Gauge Bluetooth® LE</b>
<b>COMPONENT ID</b>	CYBLE-222014-01
<b>MANUFACTURER</b>	Cypress Semiconductor
<b>TRANSMITTING FREQUENCY*</b>	2402 - 2480 MHz
<b>MAX RF TRANSMITTING PWR</b>	0.78 mW
* Other transmitting radio frequencies may exist outside of EU markets.	

Hereby, Egimotors Industries Inc. declares that the above radio equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.Egimotors.com/en-us/radio-conformity/>

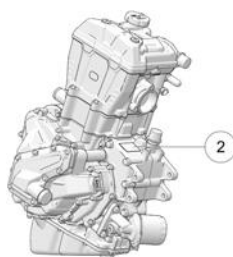
## QUADRICYCLE IDENTIFICATION NUMBERS

Record your Quadricycle's identification numbers and key number in the spaces provided. Remove the spare key and store it in a safe place. An ignition key can be duplicated only by ordering a EGIMOTORS key blank (using your key number) and mating it with one of your existing keys. The ignition switch must be replaced if all keys are lost.

The Quadricycle serial number ① can be found stamped on lower frame rail on the front right-hand side of the Quadricycle.

### NOTICE

The figures below are for reference only. Your model may differ slightly.



Quadricycle Identification Number (VIN)
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①
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Engine Serial Number ②
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## NEAR-FIELD COMMUNICATION (NFC) (IF EQUIPPED)

### IMPORTANT

Not all devices are equipped with an NFC reader. Additionally, some devices require third party applications to access NFC content. For questions regarding the NFC reader on your device, refer to the device's user manual.

Some Egimotors Quadricycles come equipped with a near-field communication (NFC) chip. The NFC chip is embedded in the Egimotors emblem located at the front of the Quadricycle and seamlessly connects you to a digital platform of Quadricycle information and tools. See your dealer for more information.

On models equipped with NFC, place your smartphone directly over the Egimotors emblem to do the following:

- View Quadricycle-specific information
- Access your Egimotors Garage
- Download and view the owner's manual
- View accessory instructions
- Watch how-to videos
- Access warranty information
- Check for service notifications



## RIDE COMMAND WITH NFC

Additional NFC features are available when using the Ride Command mobile app. To access these features, do the following:

1. Download the Ride Command mobile app from the Apple App Store® or Google Play® store.
2. Create or log in to an existing account.
3. From the Ride Command mobile app home screen, select **Add Quadricycle**.
4. On the Quadricycle, tap the NFC-enabled badge with the phone to scan the Quadricycle.
5. Confirm information, name your Quadricycle, and tap add to garage.

## SYSTEM REQUIREMENTS

Refer to device manufacturer's instructions to verify NFC read capability, and/or NFC-capable add-ons.



# SAFETY

## SAFETY WARNING

As the operator of the Quadricycle, you are responsible for your personal safety, the safety of others (including your passenger), and the protection of our environment. Read and understand your owner's manual, which includes valuable information about all aspects of your Quadricycle, including safe operating procedures.

*Ride responsibly.* Know all laws and regulations concerning the operation of this Quadricycle in your area.

Failure to follow the warnings in this manual can result in serious injury or death. This EGIMOTORS Quadricycle is not a toy and can be hazardous to operate. A collision or rollover can occur quickly, even during routine maneuvers, if you fail to take proper precautions.

Read and understand your owner's manual and all warnings before operating this EGIMOTORS Quadricycle.

## SAFETY TRAINING

Safety training is a top priority for EGIMOTORS. EGIMOTORS strongly encourages you and any family members who will be riding this Quadricycle to take a training course.

Your EGIMOTORS Quadricycle is considered an off-road Quadricycle. Familiarize yourself with all laws and regulations concerning the operation of this Quadricycle in your area.

We strongly advise you to strictly follow the recommended maintenance program outlined in your owner's manual. This preventive maintenance program is designed to ensure that all critical components on your Quadricycle are thoroughly inspected at specific intervals.

## EQUIPMENT MODIFICATIONS

Your EGIMOTORS Quadricycle is designed to provide safe operation when used as directed. Modifications to your Quadricycle may negatively impact Quadricycle stability. Failure of critical machine components may result from operation with any modifications, especially those that increase speed or power. This Quadricycle may become less stable at speeds higher than those for which it is designed. Loss of control may occur at higher speeds.

# SAFETY

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Do not install any non-EGIMOTORS-approved accessory or modify the Quadricycle for the purpose of increasing speed or power. Any modifications or installation of non-EGIMOTORS-approved accessories could create a substantial safety hazard and increase the risk of bodily injury.

The EGIMOTORS limited warranty on your EGIMOTORS Quadricycle will be terminated if any non-EGIMOTORS approved equipment and/or modifications have been added to the Quadricycle that increase speed or power.

The addition of certain accessories, including (but not limited to) mowers, blades, tires, sprayers, or large racks, may change the handling characteristics of the Quadricycle. Use only EGIMOTORS-approved accessories and familiarize yourself with their function and effect on the Quadricycle.

## SAFE RIDING GEAR

Always wear helmet, eye protection, gloves, long-sleeve shirt, long pants, and over-the-ankle boots at all times. Protective gear reduces the chance of injury.

- ① Helmet
- ② Eye Protection
- ③ Long Sleeves
- ④ Gloves
- ⑤ Long Pants
- ⑥ Over-the-Ankle Boots



## HELMET

Wearing a helmet can prevent a severe head injury. Whenever riding this EGIMOTORS Quadricycle, always wear a helmet that meets or exceeds established safety standards. Clasp the buckle and pull each strap tight to ensure the helmet is properly secured to the head.

Approved helmets in Europe, bear the ECE 22.05 label. The ECE mark consists of a circle surrounding the letter E, followed by the distinguishing number of the country which has granted approval. The approval number and serial number will also be displayed on the label.



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## EYE PROTECTION

Do not depend on eyeglasses or sunglasses for eye protection. Whenever riding this EGIMOTORS Quadricycle, always wear shatterproof goggles or use a shatterproof helmet face shield. EGIMOTORS recommends wearing approved Personal Protective Equipment (PPE) bearing markings such as VESC 8, V-8, Z87.1, or CE. Make sure protective eye wear is kept clean.

## GLOVES

Wear gloves for comfort and for protection from sun, cold weather and other elements.

## BOOTS

Wear sturdy over-the-ankle boots for support and protection. Never ride a EGIMOTORS Quadricycle with bare feet or sandals.

## CLOTHING

Wear long sleeves and long pants to protect arms and legs.

## SAFETY WARNINGS

 **WARNING**

Failure to operate this Quadricycle properly can result in a collision, loss of control, accident or rollover, which may result in serious injury or death. Heed all safety warnings outlined in this section of the owner's manual. See the operation section of this owner's manual for proper operating procedures.

## SAFETY

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### OPERATING WITHOUT INSTRUCTION

Operating this ATV without proper instruction increases the risk of an accident. The operator must understand how to operate the ATV properly in different situations and on different types of terrain.

Beginning and inexperienced operators should complete the recommended safety training before operating this Quadricycle.

Never permit a guest to operate the ATV unless the guest has read this manual and all product labels and has completed a certified safety training course.



### AGE RESTRICTIONS

This Quadricycle is an **ADULT QUADRICYCLE ONLY**. Operation is prohibited for anyone under 18 years of age.

Never allow anyone under 12 years of age to ride as a passenger on a 2-up ATV.

Even though a child may be within the recommended age group for operating some ATVs, they may not have the skills, abilities, or judgment needed to operate or ride on this ATV safely and could be susceptible to accident or injury.



### USING ALCOHOL OR DRUGS

Never consume alcohol or drugs before or while operating this Quadricycle.

Operating this Quadricycle after consuming alcohol or drugs could adversely affect operator judgment, reaction time, balance and perception.





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## FAILURE TO INSPECT BEFORE OPERATING

 **WARNING**

Failure to inspect and verify that the Quadricycle is in safe operating condition before operating increases the risk of an accident.

Always perform the pre-ride inspection before each use of your Quadricycle to make sure it's in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in this owner's manual.

## HANDLING GASOLINE

Gasoline is highly flammable and explosive under certain conditions.

- Always exercise extreme caution whenever handling gasoline.
- Always refuel with the engine stopped, and outdoors or in a well ventilated area.
- Never carry fuel or other flammable liquids on this Quadricycle. Failure to follow this instruction could lead to serious burn injuries or death.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.
- Do not overfill the tank. Do not fill the tank neck.
- If gasoline spills on your skin or clothing, immediately wash it off with soap and water and change clothing.

## EXPOSURE TO EXHAUST

 **CAUTION**

Engine exhaust fumes are poisonous and can cause loss of consciousness or death in a short time. Never start the engine or let it run in an enclosed area.

Operate this Quadricycle only outdoors or in well-ventilated areas.

## SAFETY

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### PROTECTIVE APPAREL

Riding in this Quadricycle without wearing an approved helmet and protective eye wear increases the risk of a serious injuries in the event of an accident.

Always wear a helmet, eye protection, gloves, long-sleeve shirt, long pants and over-the-ankle boots.



### CARRYING MORE THAN ONE PASSENGER ON A 2-UP ATV

Carrying more than one passenger on a 2-up ATV greatly reduces the operator's ability to balance and control the ATV, which may result in an accident or rollover. Never carry more than one passenger on a 2-up ATV.



### OPERATING ON PUBLIC ROADS

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## OPERATING AT EXCESSIVE SPEEDS

Operating this Quadricycle at excessive speeds increases the operator's risk of losing control. Always operate at a speed that's appropriate for the terrain, the visibility and operating conditions and your skills and experience.



## PHYSICAL CONTROL OF THE QUADRICYCLE

Removing even one hand or foot can reduce ability to control the Quadricycle or could cause loss of balance and ejection from the ATV.

If a person's feet are not firmly planted on the footrests, they could come into contact with the wheels or other moving parts and lead to accident or injury.

Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.

## SAFETY

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### TURNING IMPROPERLY



Turning improperly could cause loss of traction, loss of control, accident or rollover. Always follow proper procedures for turning as described in this owner's manual.

Avoid sharp turns. Never turn while applying heavy throttle. Never make abrupt steering maneuvers. Practice turning at slow speeds before attempting to turn at faster speeds.

### JUMPS AND STUNTS

Exhibition driving increases the risk of an accident or rollover. **DO NOT** do power slides, "donuts", jumps or other driving stunts. Avoid exhibition driving.



### IMPROPER HILL CLIMBING

Improper hill climbing could cause loss of control or rollover. Always follow proper procedures for climbing hills as described in the owner's manual. Always engage ADC driveline mode (if equipped) before ascending or descending a hill.

### DESCENDING HILLS IMPROPERLY

Improperly descending a hill could cause loss of control or rollover. Always follow proper procedures for traveling down hills as described in this owner's manual. See the New Operator Driving Procedures section for details.

### CROSSING HILLSIDES

Driving on a sidehill is not recommended. Improper procedure could cause loss of control or rollover. Avoid crossing the side of any hill unless absolutely necessary.

If crossing a hillside is unavoidable, always follow proper procedures as described in this owner's manual. See the New Operator Driving Procedures section for details.

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## STALLING WHILE CLIMBING A HILL

Stalling, rolling backwards or improperly dismounting while climbing a hill could cause a rollover.

- Always maintain a steady speed when climbing a hill.
- Always engage ADC mode (if equipped) before ascending or descending a hill. If ADC mode is not equipped, apply AWD mode before ascending or descending a hill.



*If all forward speed is lost:*

- Lean forward to keep body weight uphill. A passenger should also lean uphill.
- Apply the brakes.
- Lock the parking brake when fully stopped.
- Dismount on the uphill side of the Quadricycle, or on the left if the Quadricycle is pointing straight uphill. Have a passenger dismount first, then the operator may dismount.
- Turn the ATV around and remount, following the procedure described in the owner's manual.

*If the ATV begins rolling downhill:*

- Keep operator and passenger body weight uphill.
- Never apply engine power.
- Apply the brake lever gradually.
- When fully stopped, apply the auxiliary brake as well, and then lock the parking brake.
- Dismount on the uphill side of the Quadricycle, or on the left if the Quadricycle is pointing straight uphill. Have a passenger dismount first, then the operator may dismount.
- Turn the ATV around and remount, following the procedure described in the owner's manual.

## SAFETY

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### OPERATING ON STEEP HILLS

Operating on excessively steep hills could cause an overturn.

Never operate on hills too steep for the ATV or for your abilities.

Never operate this ATV on hills steeper than 15 degrees.



### OPERATING ON SLIPPERY TERRAIN

Failure to use extra caution when operating on excessively rough, slippery or loose terrain could cause loss of traction, loss of control, accident or overturn.

Do not operate on excessively rough, slippery or loose terrain until you've learned and practiced the skills necessary to control the Quadricycle on such terrain.

Always use extra caution on rough, slippery or loose terrain.



### OPERATING IN UNFAMILIAR TERRAIN

Failure to use extra caution when operating on unfamiliar terrain could result in an accident or rollover.

Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or rollover.

Travel slowly and use extra caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.

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## IMPROPER TIRE MAINTENANCE

Operating this Quadricycle with improper tires or with improper or uneven tire pressure could cause loss of control or accident.

Always use the size and type of tires specified for your Quadricycle.

Always maintain proper tire pressure as described in the owner's manual and on safety labels.



## OPERATING IMPROPERLY IN REVERSE

Improperly operating in reverse could result in a collision with an obstacle or person. Always follow proper operating procedures as outlined in this manual. See the New Operator Driving Procedures section for details.

Before shifting into reverse gear, always check for obstacles or people behind the Quadricycle. When it's safe to proceed, back slowly.

## OPERATING OVER OBSTACLES

Improperly operating over obstacles could cause loss of control or rollover.

Before operating in a new area, check for obstacles. Avoid operating over large obstacles such as large rocks and fallen trees. Always follow the proper procedures outlined in this manual when operating over obstacles. See the New Operator Driving Procedures section for details.



## SAFETY

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### SKIDDING OR SLIDING

Failure to use extra caution when operating on excessively rough, slippery or loose terrain could cause loss of traction, loss of control, accident or rollover. Do not operate on excessively slippery surfaces. Always slow down and use additional caution when operating on slippery surfaces.

Skidding or sliding due to loss of traction can cause loss of control or rollover (if tires regain traction unexpectedly). Always follow proper procedures for operating on slippery surfaces as described in this owner's manual. See the New Operator Driving Procedures section for details.



### OPERATING A DAMAGED QUADRICYCLE

#### CAUTION

Operating a damaged Quadricycle can result in an accident. After any rollover or other accident, have a qualified service dealer inspect the entire machine for possible damage, including (but not limited to) brakes, throttle, and steering systems.

### OPERATING THROUGH WATER

Operating through deep or fast-flowing water can cause loss of traction, loss of control, rollover or accident. Never operate in fast-flowing water or in water that exceeds the floor level of the Quadricycle.

Always follow proper procedures for operating in water as described in this owner's manual.

Wet brakes may have reduced stopping ability. After leaving water, test the brakes. Apply them lightly several times while driving slowly. The friction will help dry out the pads.



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## IMPROPER CARGO LOADING

Overloading the Quadricycle or carrying cargo improperly may cause changes in stability and handling, which could cause loss of control or an accident.

- Always follow the instructions in this owner's manual for carrying cargo.
- Never exceed the stated load capacity for this Quadricycle.
- Cargo should be properly distributed and securely attached.
- Reduce speed when carrying cargo or pulling a trailer. Allow a greater distance for braking.

## OPERATING ON FROZEN BODIES OF WATER

Severe injury or death can result if the Quadricycle and/or the operator fall through the ice. Never operate the Quadricycle on a frozen body of water unless you have first verified that the ice is sufficiently thick to support the weight and moving force of the Quadricycle, you and your cargo, together with any other Quadricycles in your party.

Always check with local authorities and residents to confirm ice conditions and thickness over your entire route. Quadricycle operators assume all risk associated with ice conditions on frozen bodies of water.

## POOR VISIBILITY



Operating this Quadricycle in darkness or inclement weather could result in a collision or accident, especially if operating on a road or street. Use caution and drive at reduced speeds in conditions of reduced visibility such as fog, rain and darkness. Clean headlights frequently and replace burned out headlamps promptly.

## PHYSICAL SKILLS

Safe operation of this rider-active Quadricycle requires good judgement and physical skills. Persons with cognitive or physical disabilities who operate this Quadricycle have an increased risk of overturn and loss of control.

### HOT EXHAUST SYSTEMS

 **WARNING**

Exhaust system components are very hot during and after use of the Quadricycle. Hot components can cause burns and fire. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.

Use caution when traveling through tall grass, especially dry grass and when traveling through muddy conditions. Always inspect the underside of the Quadricycle and areas near the exhaust system after driving through tall grass, weeds, brush, other tall ground cover, and muddy conditions. Promptly remove any grass, debris or foreign matter clinging to the Quadricycle and pay particular attention to the exhaust system area.

### UNAUTHORIZED USE OF THE QUADRICYCLE

Leaving the keys in the ignition can lead to unauthorized use of the Quadricycle by someone under the age of 18, without a driver's license, or without proper training. This could result in an accident or rollover. Always remove the ignition key when the Quadricycle is not in use.

### TRAILER HITCH WARNING (IF EQUIPPED)

If using a hitch, ensure the receiver does not exceed a two-inch drop or raise.

 **WARNING**

When trailering with your ATV, be aware that the exhaust is located above the hitch ball receiver and the trailer hitch. During operation of the ATV, the exhaust will produce hot exhaust gas that should not be inhaled and that may elevate the surface temperature of surrounding surfaces, including trailer surfaces (e.g., trailer hitch, trailer tongue, trailer walls, . . . etc.). To reduce the risk of inhaling exhaust gases and to avoid risk of burn or injury, shut off your engine and allow time for the exhaust gases to dissipate and for the surfaces surrounding the exhaust to cool, including the trailer surfaces, before connecting or disconnecting a trailer. To reduce the potential for the trailer hitch or trailer tongue from getting too hot, do not use a receiver hitch with a rise of more than two inches.

## SAFETY LABELS AND LOCATIONS

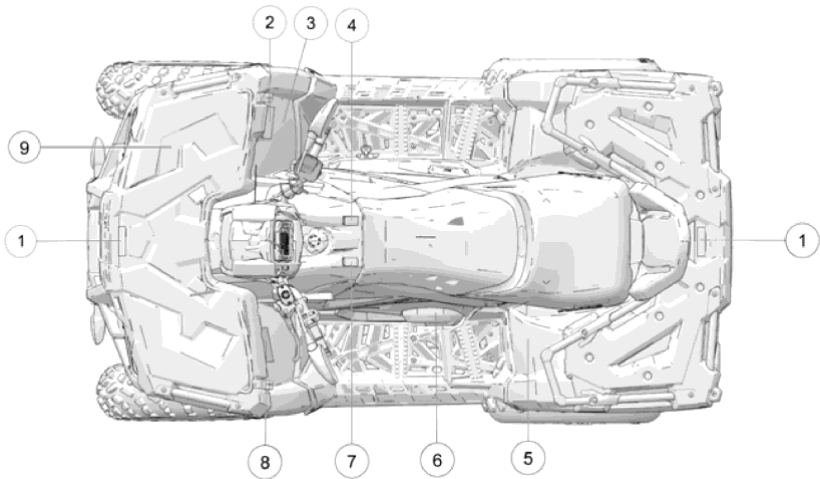
Warning labels have been placed on the Quadricycle for your protection. Read and follow the instructions of the labels on the Quadricycle carefully. If any of the labels depicted in this manual differ from the labels on your Quadricycle, always read and follow the instructions of the labels *on the Quadricycle*.

If any label becomes illegible or comes off, contact your EGIMOTORS dealer to purchase a replacement. Replacement *safety* labels are provided by EGIMOTORS at no charge. The part number is printed on the label.

### SPORTSMAN TOURING 570

#### NOTICE

The images below are for reference only. Your model may differ slightly.



- |                        |                      |
|------------------------|----------------------|
| ① Rack Alert           | ⑥ Clutch Cover Alert |
| ② Discretionary Alert  | ⑦ Override Alert     |
| ③ 4x4 (AWD) Alert      | ⑧ General Alert      |
| ④ Hitch Capacity Alert | ⑨ Radiator Cap Alert |
| ⑤ Tire Pressure Alert  |                      |

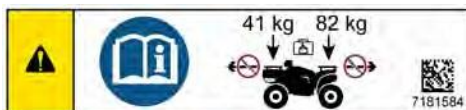
## SAFETY

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### **RACK ALERT— TOURING MODELS**

#### **⚠ WARNING**

DO NOT TOW FROM RACK OR BUMPER. Quadricycle damage or tip over may result causing severe injury or death. Tow only from tow hooks or hitch.



Maximum Rack Loads:  
Front 40kg - Rear 80 kg.

### **DISCRETIONARY ALERT**

#### **⚠ WARNING**

Read and understand your owner's manual. Never operate this Quadricycle on HILLS steeper than 15°.



**4X4 (AWD) ALERT****⚠ WARNING**

Do not push switch to engage 4X4 (AWD) if the rear wheels are spinning. This may cause severe drive shaft and clutch damage.

**RADIATOR CAP WARNING****⚠ WARNING**

Hot pressurized fluid can cause serious burns. Do not touch radiator cap when hot. Open slowly.



## SAFETY

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### **CRUSH ALERTS**

#### **⚠ WARNING**

To prevent a crushing injury to hands and fingers, keep hands and fingers away from the lower front edge of the cargo box while lowering the box.



### **CLUTCH COVER ALERT**

#### **⚠ WARNING**

Keep body parts away from belt.



### **TIRE PRESSURE ALERT**

#### **⚠ WARNING**

TIRE PRESSURE IN Bar:  
FRONT – 0,8 Bar  
REAR – 1 Bar



**VERRIDE ALERT****⚠ WARNING**

Improper use of override button can lead to loss of control resulting in severe injury or death. Do not activate override while throttle is engaged. Always apply throttle gradually while in reverse.

**GENERAL ALERT****⚠ WARNING**

Before you operate this Quadricycle, read the owner's manual.

**NEVER** allow anyone under 18 years of age to operate this Quadricycle. Wear approved helmet, goggles, and protective clothing.

**NEVER** use alcohol or drugs before or while operating

**NEVER** carry a passenger.

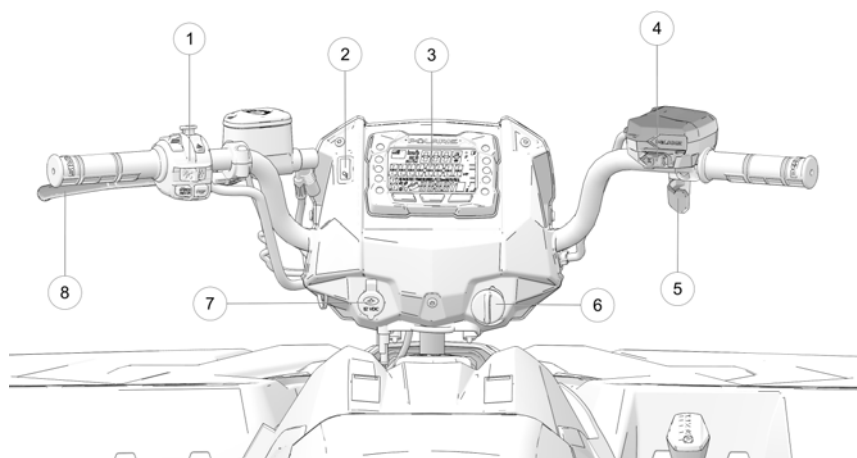
**NEVER** operate the Quadricycle on any public street, road or highway.

# FEATURES AND CONTROLS

## MAIN CONTROLS

### NOTICE

Image below is for reference only. Your model may differ slightly.

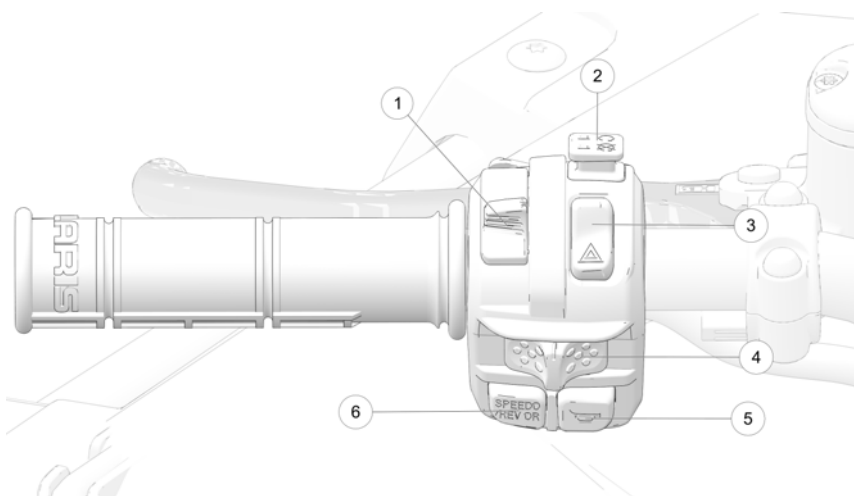


- |                                      |                    |
|--------------------------------------|--------------------|
| ① Left Hand Controls                 | ⑤ Throttle Switch  |
| ② Working Light Switch (if equipped) | ⑥ Ignition Switch  |
| ③ Instrument Cluster                 | ⑦ Auxiliary Outlet |
| ④ Driveline Mode Switch              | ⑧ Brake Lever      |





### LEFT HAND CONTROLS



① Light Switch

② Engine Stop Switch

③ Hazard Switch

④ Turn Signal Switch

⑤ Horn Switch





⑥ Override Switch

## IGNITION SWITCH

 **WARNING**

Do not attach a large key fob or key ring to the main switch. It may contact the gas tank cap when turning, causing an interruption to the electrical system and an unexpected engine shutdown during operation.

This could result in serious injury or death.

SWITCH POSITION	FUNCTION
	<p>End all electrical power to the Quadricycle</p>
	<p>The LIGHTS ON position turns the headlights on. The engine stop switch must be in the RUN position.</p>
	<p>Start the engine. The headlights are not on in this position.</p>
	<p>After starting the engine, release the key switch to the PARKING LIGHTS ON position. This will also switch on the headlights as required for the homologation.</p>

## FEATURES AND CONTROLS



### ENGINE STOP SWITCH

#### NOTICE

The engine will not start or run when the switch is in the OFF position.

Push the stop switch down to stop the engine quickly. Pull the stop switch up to the RUN position before attempting to start the engine.

Both the main switch and the engine stop switch will shut off all electrical power to the Quadricycle, including lights.

SWITCH POSITION	FUNCTION
	OFF
	RUN

### HAZARD WARNING SWITCH

Push the hazard warning switch to cause all turn signal lights to flash simultaneously. Use this feature to alert others of an emergency or other situation requiring caution.

### HORN SWITCH

Press the horn switch to sound the horn.

## MODE / REVERSE OVERRIDE SWITCH

This Quadricycle is equipped with a reverse speed limiter system. To gain additional wheel speed while backing, release the throttle and depress the override switch.

 **WARNING**

Pressing the override switch while the throttle is open can cause loss of control, which may result in serious injury or death. Always release the throttle before pressing the override switch.



The reverse override switch also acts as a MODE button when held down for approximately one half second. The transmission cannot be in reverse when using the override switch as a MODE button.

## TURN SIGNAL SWITCH

Push the toggle switch either left or right to activate the corresponding turn signal light. The indicator in the gauge will also flash. Return the toggle to the center position and push it inward to end the signal.

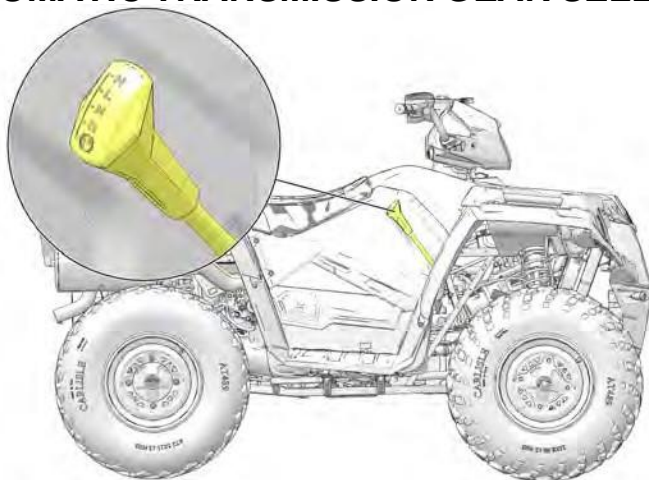
## HEADLIGHT AND MOMENTARY HIGH BEAM SWITCH

The lights do not operate unless the main key switch is on and the engine stop switch is in the RUN position.

SWITCH POSITION	FUNCTION
	High Beam
	Low Beam

Press this switch with your left forefinger to activate the headlight high beam. The lights will return to low beam when the switch is released.

### AUTOMATIC TRANSMISSION GEAR SELECTOR



The transmission gear selector ② is located on the right side of the Quadricycle.

- H:** High Gear
- L:** Low Gear
- N:** Neutral
- R:** Reverse
- P:** Park



To shift gears, brake to a complete stop.  
When the engine is idling, move the lever to the desired gear.

#### NOTE

Shifting gears with the engine speed above idle or while the Quadricycle is moving could cause transmission damage.

Whenever the ATV is left unattended, always place the transmission in PARK and lock the parking brake.

#### TIP

To extend belt life, use low forward gear when pulling a heavy load at less than seven miles per hour for extended periods and when operating uphill at a slow speed.

## RIGHT-HAND CONTROL

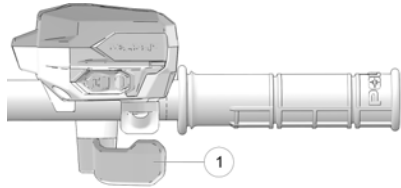
### THROTTLE LEVER

#### WARNING

Operating an ATV with sticking or improperly operating throttle controls could cause an accident. Never start or operate an ATV that has a sticking or improperly operating throttle. Immediately contact your EGIMOTORS dealer or other qualified person for service if throttle problems arise.

Failure to check or maintain proper operation of the throttle system can result in an accident if the throttle lever sticks during operation. Always check the lever for free movement and return before starting the engine. Also check occasionally during operation.

Engine speed and Quadricycle movement are controlled by pressing the throttle lever ①. The throttle lever is spring loaded. Engine speed returns to idle when the lever is released.



#### WARNING

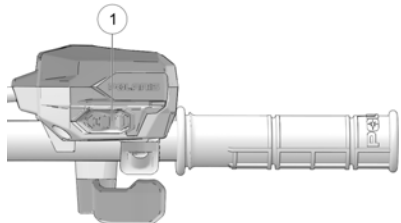
Modifications to the electronic throttle control could result in failure to perform as designed, which could result in an accident. Do not attempt to modify the throttle control system or replace it with any after market throttle mechanisms.

### DRIVELINE MODE SWITCH

The driveline mode switch ① controls

- The Differential
- The All Wheel Drive (AWD) system.

Use this switch to change the driveline modes



## FEATURES AND CONTROLS

---

### REAR DIFFERENTIAL

The function of the differential is to have a choice depending on the kind of use you are doing.

**LOCKED:** the wheels are rotating at the same speed (green light on)

**UNLOCKED:** the wheels are rotating independently one of the other

An unlocked Differential gives a better drivability of your Quadricycle especially when turning by allowing the inside wheel to rotate slower than the outside wheel when turning.

If you need to make sharp turns on hard surface or grass without damages this is the right option to use.

In case of a lack of traction it's recommended to engage the differential in order to let the two wheels rotating at the same speed.

This is to be used for offroad situation only.

#### How does it work?

By default, the differential is **unlocked**, and the two wheels rotate at different speed: "TURF MODE"

When the Key is turned ON the green light on the dashboard will automatically turn on, after 3 seconds the light will turn off. (Light check)





## FEATURES AND CONTROLS

---

Your first action is to select the differential mode:

If you want to **lock** the rear differential in order to have the two wheels rotating at the same speed, you need to:

Stop Driving the unit in a safe area

Put the shift lever on Parking "P"

Move the YELLOW Driveline switch to the right for 3 seconds and release it.

The green light on the dashboard will turn ON.



Now you can engage by moving the shift lever to the desired riding position:



If you want to **unlock** the rear differential in order to let the two wheels rotating at different speed, you need to:

Stop Driving the unit in a safe area

Put the shift lever on Parking "P"

Move the YELLOW Driveline switch to the left for 3 seconds and release it.

The green light on the dashboard will turn OFF.



### ALL WHEEL DRIVE SYSTEM (Off Road Use)

#### NOTE

The All-Wheel Drive system is only accessible if your differential is LOCKED (see previous page instructions on differential)

By default -when you restart your unit- the differential is unlocked. Make sure that you lock your differential as a first step for off road riding and usage of the All-Wheel Drive system

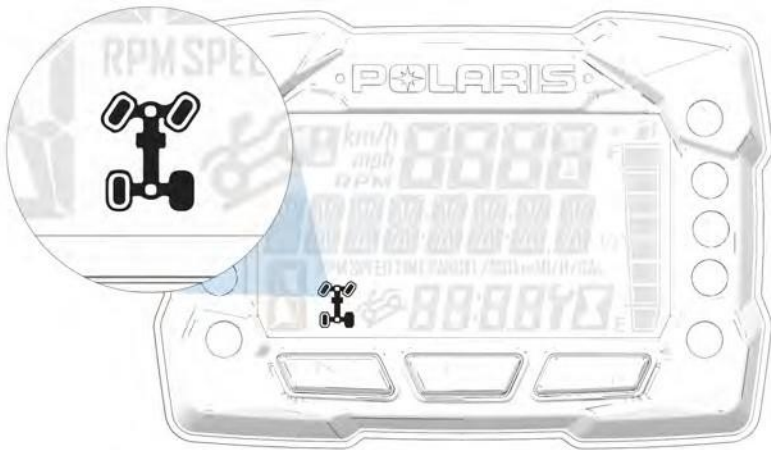
#### NOTICE

Switching to AWD while the rear wheels are spinning may cause severe drive shaft and gearcase damage. Always switch to AWD while the rear wheels have traction or are at rest.

Like the differential, The All-Wheel Drive system is controlled by the Driveline switch (see pages above) Engage AWD before getting into conditions where front wheel drive may be needed. If the rear wheels are spinning, release the throttle before switching to AWD.



Status is displayed on the Instrument Cluster



### AWD MODE

Move the momentary Driveline switch to the far right to engage AWD. AWD will engage when engine speed slows to below 3100 RPM. The gauge will display “AWD”. There is no limit to the length of time the Quadricycle may remain in AWD.



Once enabled, AWD remains enabled until the switch is turned off. If the switch is turned off while the demand drive unit is moving, it will not disengage until the rear wheels regain traction.

### 2X4 MODE

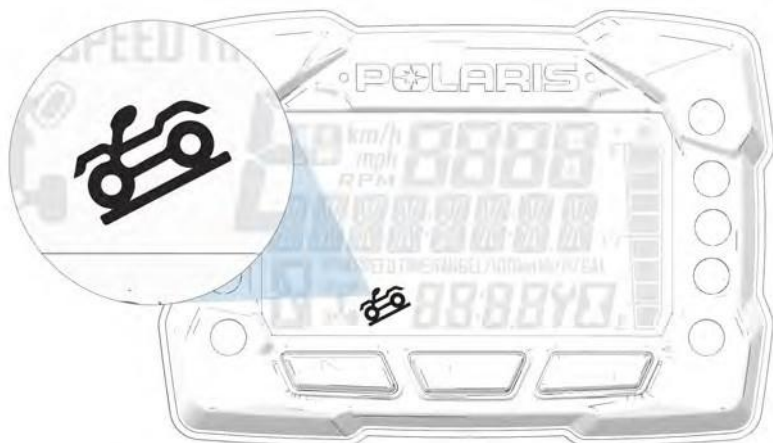
Move the momentary switch to the far left to operate in two-wheel drive. AWD will disengage when engine speed slows to below 3100 RPM. The gauge will display “2X4”.



### FOUR-WHEEL DESCENT CONTROL (IF EQUIPPED)

#### NOTICE

Switching to 4WDC while the rear wheels are spinning may cause severe drive shaft and gearcase damage. Always switch to 4WDC while the rear wheels have traction or are at rest.



The Four-Wheel Decent Control (4WDC) system allows engine braking to all four wheels when the Quadricycle descends a hill or incline. Always engage 4WDC mode (if equipped) before ascending or descending a hill.

#### **ENGAGING FOUR-WHEEL DESCENT CONTROL**

The 4WDC system will automatically engage when *all* of the following conditions occur:

- 4WDC is engaged
- The throttle must be closed (throttle lever released)
- The transmission must be in gear (high, low or reverse)

#### **DISENGAGING FOUR-WHEEL DESCENT CONTROL**

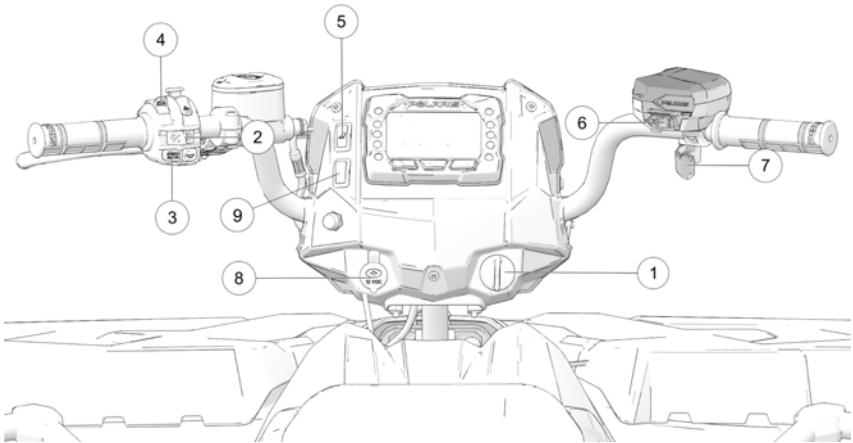
The 4WDC system will automatically disengage if *at least one* of the following conditions occur:

- The 4X4 switch is moved out of the 4WDC position
- The throttle is open (throttle is applied)
- The transmission is shifted to neutral or park
- The Quadricycle is on flat ground, or not actively descending a hill

## SWITCHES

### NOTE

Image below is for reference only. Your model may differ slightly.



- |                                      |   |
|--------------------------------------|---|
| ① Ignition Switch                    | ⑥ Driveline Mode Switch                       |
| ② Engine Stop Switch                 | ⑦ Throttle Switch                             |
| ③ Mode/Reverse Override Switch       | ⑧ Auxiliary Outlet                            |
| ④ Headlight Switch                   | ⑨ Variable Speed Limiter Switch (if equipped) |
| ⑤ Working Light Switch (if equipped) |   |

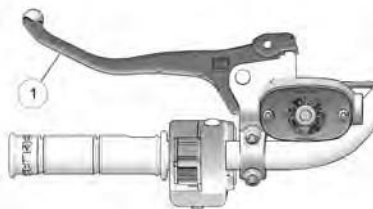
## FEATURES AND CONTROLS

### BRAKE LEVER

#### WARNING

Operating the ATV with a spongy brake lever can result in loss of braking, which could cause an accident. Never operate the ATV with a spongy-feeling brake lever. Always contact your dealer for service before operating the Quadricycle.

Squeeze the brake lever ① toward the handlebar to apply the front and rear brakes. These brakes are hydraulically activated disc type brakes that are activated by only one lever. Always test brake lever travel and master cylinder fluid level before riding. When squeezed, the lever should feel firm. Any sponginess would indicate a possible fluid leak or low master cylinder fluid level, which must be corrected before riding. Contact your EGIMOTORS dealer or other qualified service facility for proper diagnosis and repairs.



### MASTER CYLINDER/BRAKE FLUID

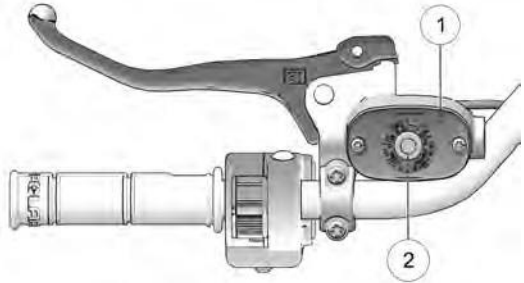
#### ⚠ WARNING

An over-full master cylinder may cause brake drag or brake lock-up, which could result in an accident. Maintain brake fluid at the recommended level. Do not overfill.

Never store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. The moisture causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of brake failure, which could result in an accident. After opening a bottle of brake fluid, always discard any unused portion.

Check the brake fluid in the master cylinder before each ride.

1. Position the ATV on a level surface.
2. Position the handlebars so the master cylinder ① is level.



3. View the brake fluid level through the indicator window ② on the top of the master cylinder. The eye will appear dark when the fluid level is full. When fluid is low, the eye will be clear.
4. If the fluid level is low, remove the cover screws and add fluid to the fill line. *Do not overfill.* Use DOT 4 brake fluid only.
5. Reinstall the cover. Torque screws to specification.

#### TORQUE

Brake Fluid Reservoir Cover Screws  
(1 N·m)

## FEATURES AND CONTROLS

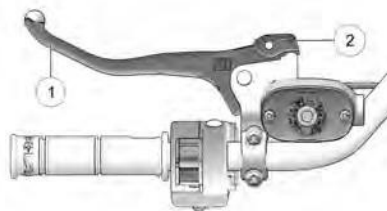
### PARKING BRAKE

#### LOCKING THE PARKING BRAKE

##### WARNING

Operating the ATV while the parking brake is engaged could result in an accident or fire. Always check to be sure the parking brake is disengaged before operating.

1. Place the transmission in PARK.
2. Squeeze and release the brake lever ① two or three times, then squeeze and hold.
3. Push the parking brake lock ② forward to engage the lock.
4. Release the brake lever.
5. To release the parking brake lock, squeeze and release the brake lever. It will return to its unlocked position.



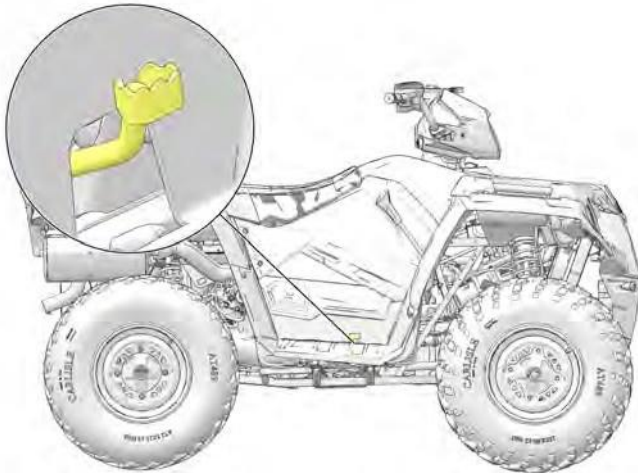
The parking brake may relax if left on for a long period of time. Always block the wheels to prevent rolling. Always block the wheels on the downhill side of the ATV if leaving it parked on a hill. Another option is to park the ATV in a sidehill position. Never depend on the parking brake alone if the ATV is parked on a hill. Always block the wheels to prevent rolling.



### AUXILIARY FOOT BRAKE

#### WARNING

Never back down a hill. Applying the auxiliary brake when backing down a hill may cause rear tipover, which could result in serious injury or death. Use caution when applying the auxiliary brake.



The auxiliary brake system is intended to be used as a backup for the main brake system. Should the main system fail, use the auxiliary foot brake. The auxiliary foot brake is located on the inside of the right footrest. Operate this brake with your right foot. If the rear wheels slide while using the auxiliary brake, *reduce* brake pedal pressure to brake the rear wheels without skidding.

#### NOTE

If service brake system is fully functioning, the auxiliary foot brake will brake on 4 wheels. The auxiliary brake can be used when starting the Quadricycle. To start the Quadricycle using the auxiliary foot brake, depress the foot brake and turn the ignition key to the start position.

### BRAKE FLUID LEVEL

Check the brake fluid level frequently for the auxiliary brake system. The reservoir is located under the seat.

Maintain the fluid level between the maximum and minimum marks. Use DOT 4 brake fluid only.

## FEATURES AND CONTROLS

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### MIRRORS

Use the mirrors to assist in traffic maneuvers. Always check and adjust the mirrors before driving the Quadricycle.

### ELECTRONIC POWER STEERING (EPS)

Electronic power steering (EPS), if equipped, engages when the ignition key is turned to the ON position. EPS remains engaged whether the Quadricycle is moving or idle. See the Instrument Cluster section for EPS Warning Indicator information.

#### NOTICE

Never switch EPS modes while the Quadricycle is in motion. Ensure the Quadricycle is fully stopped and no force is applied to the steering system before switching EPS modes.

EPS has three modes: high, medium, low. To set the EPS mode, do the following.

1. Stop the ATV and put it in PARK.
2. Press and hold the MODE button to enter the Options Menu. "OPTIONS" will display on the screen for 3 seconds before showing the first menu item.
3. Select "EPS" from the Options Menu by pressing the MODE button.
4. Toggle the Up/Down Buttons to choose between the high, medium, and low modes.
5. Press the MODE button to lock in the EPS setting.



### FUEL CAP

This Quadricycle is equipped with a digital fuel gauge that will indicate a low fuel condition. Refuel when the gauge indicates a low fuel condition.

Always refuel with the engine stopped, and outdoors or in a well-ventilated area. Refuel on a level surface.

Remove the fuel tank cap to add fuel to the fuel tank. Use either leaded or unleaded gasoline with a minimum pump octane number of 87 = (R + M/2) octane. Do not use fuel with ethanol content greater than 10 percent, such as E-85 fuel.

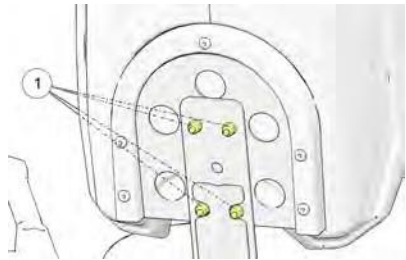
Compatible fuel types: E5, E10



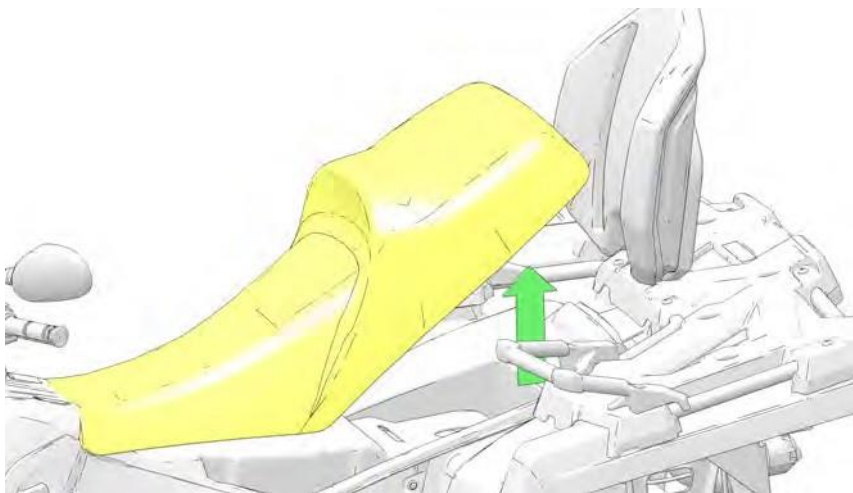
### PASSENGER SEAT BACKREST (TOURING)

The passenger backrest can be adjusted vertically.

1. Unzip the two zippers at the bottom of the backrest pad. Lift the pad upward to remove it from the backrest frame.
2. To adjust the backrest upward or downward, loosen the four vertical adjustment screws ① on the front side of the backrest frame. Slide the backrest upward or downward to the desired position and tighten the screws.
3. Reinstall the backrest pad.



### SEAT REMOVAL



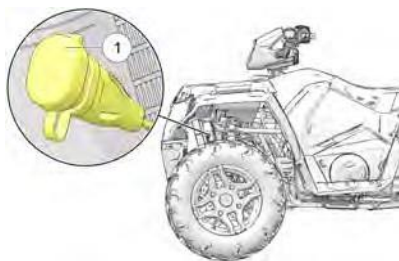
1. Locate the seat removal latch in the center of the seat's rear.
2. Pull on the latch handle to disengage the seat from the Quadricycle's frame.
3. Remove the seat.

### EXTREME USE BATTERY

An optional extreme use battery may be available for your model. If the performance of the factory-installed battery is inadequate due to operation in extreme cold or due to extended use of multiple electrical accessories, your EGIMOTORS dealer can assist. Your dealer can provide any installation procedures that may differ for an extreme use battery.

### BATTERY CHARGE PORT

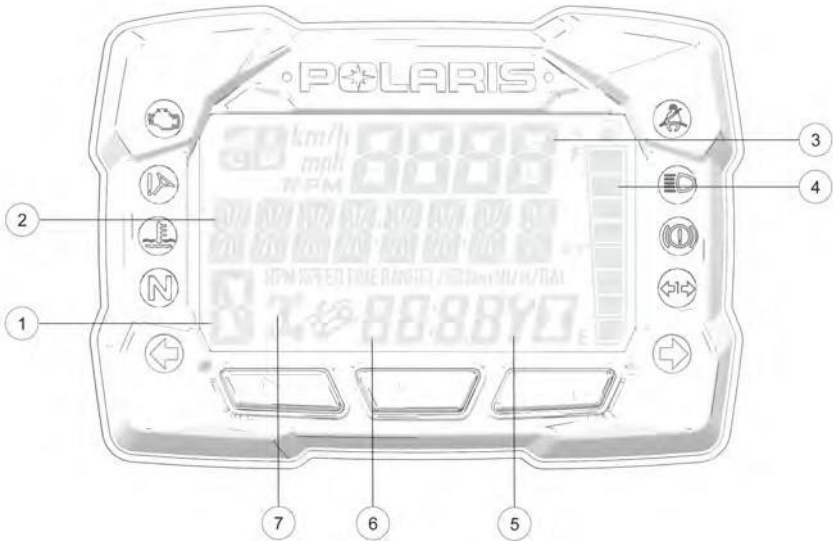
Your Quadricycle is equipped with a battery charge port ①. The battery charge port allows you to quickly and easily connect a battery charger to your Quadricycle's battery.



# INSTRUMENT CLUSTER OVERVIEW

**NOTICE**

Features and telltales vary by model.








DISPLAY AREA	FUNCTION
① Gear Indicator	H = High Gear L = Low Gear N = Neutral R = Reverse Gear P = Park – = Gear Signal Error (or shifter between gears)
② Display Area 2	This area displays odometer, trip meter, trip meter 2, voltage, engine temperature, engine hour meter, programmable service hour interval, ground speed, or engine RPM.
③ Display Area 1	This area displays engine RPM, ground speed, or coolant temperature.
④ Fuel Gauge	The segments of the fuel gauge show the level of fuel in the fuel tank. When the last segment clears, a low fuel warning is activated. All segments including the fuel icon will flash. Refuel immediately.






## FEATURES AND CONTROLS

DISPLAY AREA	FUNCTION
⑤ Service Indicator	A flashing wrench symbol alerts the operator that the preset service interval has been reached. Your EGIMOTORS dealer can provide scheduled maintenance. See page 64 for more information.
⑥ Clock	The clock displays time in a 12-hour or 24-hour format.
⑦ Driveline Mode Indicator	Segments of the indicator illuminate based on driveline mode engaged.

## INDICATOR LAMPS

INDICATOR	ICON	FUNCTION
Check Engine		This indicator appears if a fault occurs. Do not operate the Quadricycle if this warning appears. Serious engine damage could result. Your authorized EGIMOTORS dealer can assist.
EPS Warning (if equipped)		This indicator illuminates when a fault has occurred in the EPS system. Your authorized EGIMOTORS dealer can assist. EPS operation is possible with key on/engine off for up to 5 minutes.
Engine Hot		This lamp illuminates to indicate an overheated engine. If the indicator flashes, a severe overheating condition exists.
Neutral		This lamp illuminates when the transmission is in neutral and the ignition key is in the ON position.
Helmet/Seat Belt		This lamp flashes for several seconds when the key is turned to the ON position. The lamp is a reminder to wear helmet and seat belt (if equipped) before operating.

## FEATURES AND CONTROLS

INDICATOR	ICON	FUNCTION
High Beam		This lamp illuminates when the headlamp switch is set to high beam.
Brake Failure (if equipped)		Lamp illuminates when Brake System (if Brake Failure Alarm is equipped) detects low pressure in brake hydraulic system. Verify brake fluid in reservoirs.
Trailer Indicator		The Turn Trailer Indicator is illuminating when the trailer turn signals are active.



## DISPLAY AREA 1

Pressing the MODE button will change the information displayed in Area 1 ①.



DISPLAY AREA 1	FUNCTION
Speed	The Quadricycle's speed will be displayed in mph, or km/h.
Engine Temperature	The Quadricycle's current engine temperature will be displayed.
RPM	The Quadricycle's RPM will be displayed.

## FEATURES AND CONTROLS

### DISPLAY AREA 2

Toggle the Up/Down buttons to change the information displayed in Area 2 ②.



DISPLAY AREA 2	FUNCTION
Odometer	The Quadricycle's odometer reading will be displayed.
Engine Temperature	The Quadricycle Engine Temperature will be displayed.
Trip 1	The Quadricycle Trip 1 mileage will be displayed.
Trip 2	The Quadricycle Trip 2 mileage will be displayed.
RPM	The Quadricycle RPM will be displayed.
Voltage	The Quadricycle's current battery voltage will be displayed.
Speed	The Quadricycle's current speed will be displayed.
Engine Hours	The Quadricycle's engine hours will be displayed.
Service Hours	The Quadricycle's service hours will be displayed.

## OPTIONS MENU



Press and hold the MODE button to enter the Options Menu.

OPTIONS MENU	NOTES
Diagnostic Codes	Only displays if fault codes are present or stored
Units - Distance	Select MPH or KPH
Units - Temp	Select between °F and °C
Clock	Select between 12H or 24H, and set time
Backlight Color	Select between Blue or Red
Backlight Level	Set backlight brightness level
Service Hours	View/Set Service hours
Bluetooth® Pairing (if equipped)	Pair Bluetooth® device
Exit Menu	Exit

## FEATURES AND CONTROLS

### DIAGNOSTIC CODE

Diagnostic Code Screen will show available MIL that has come on during that ignition cycle.

To access the Diagnostic Code Screen, do the following:

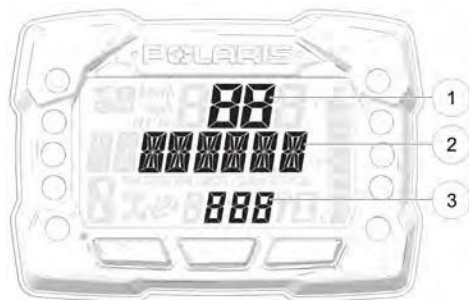
1. Press and hold the MODE button to enter the Options Menu. "OPTIONS" will display on the screen for 3 seconds before showing first menu item.
2. Select "Diagnostic Codes" from the Options Menu by pressing the MODE button.

Toggle the Up/Down Buttons to cycle through Code(s).

#### NOTICE

This option will only be available if a fault code was set or is active during the current ignition key 'on' cycle. Turning off the ignition will clear any save fault codes from the gauge.

- ① Display area 1 will show FMI
- ② Display area 2 will show SPN
- ③ Clock Area will show Count.

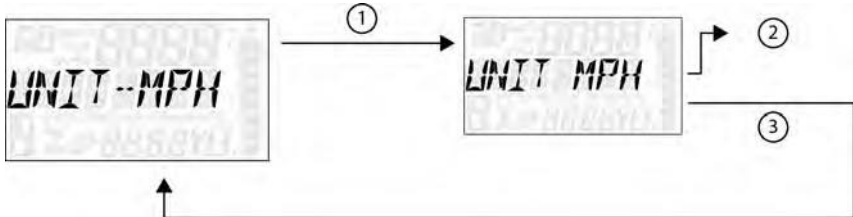


## NOTICE

When the gauge is displaying a fault code, the warning telltale (check engine or EPS) will blink to indicate which controller set the fault code.

- To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

## UNIT SELECTION DISTANCE



- Press and hold the MODE button to enter the Options Menu.

## NOTICE

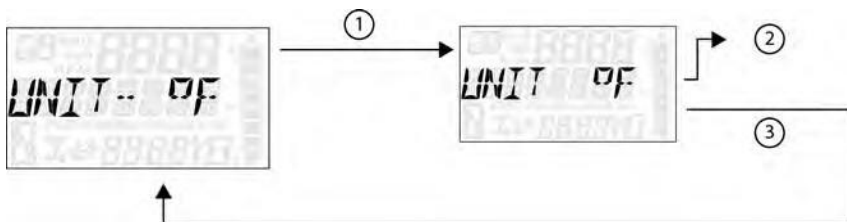
"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

- Select "Units-Distance" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- Press the MODE button.
  - Toggle the Up/Down Buttons to change the units (MPH or KPH)
  - With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.
- To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

### UNIT SELECTION TEMPERATURE



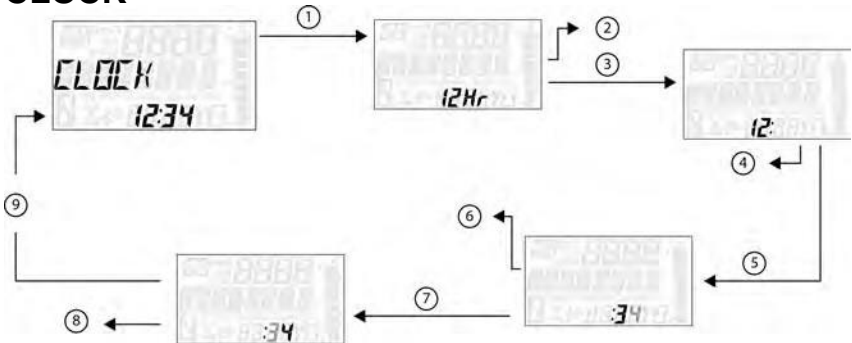
1. Press and hold the MODE button to enter the Options Menu.

#### NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "Units - Temp" from the Options Menu by pressing the MODE button.  
Reference the image shown above:
  - ① Press the MODE button.
  - ② Toggle the Up/Down Buttons to change the units (°F or °C)
  - ③ With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

## CLOCK



1. Press and hold the MODE button to enter the Options Menu.

### NOTICE

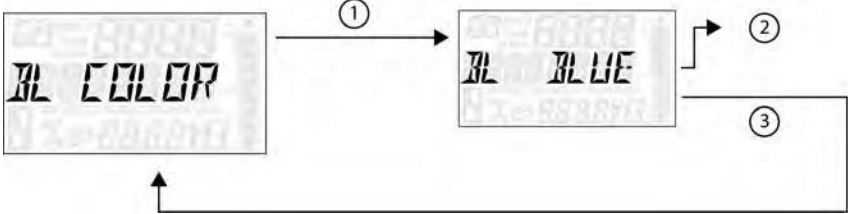
“OPTIONS” will display on the screen for 3 seconds before showing first menu item.

2. Select “Clock” from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
  - ② Toggle the Up/Down Buttons to change the units (12H or 24H)
  - ③ With the correct unit displayed, Press the mode button which will set the unit.
  - ④ Toggle the Up/Down Buttons to change the units (Cycles Hours)
  - ⑤ With the correct unit displayed, Press the mode button which will set the unit.
  - ⑥ Toggle the Up/Down Buttons to change the units (Cycles 10s of Minutes)
  - ⑦ With the correct unit displayed, Press the mode button which will set the unit.
  - ⑧ Toggle the Up/Down Buttons to change the units (Cycles 1s of Minutes)
  - ⑨ With the correct unit displayed. Press the mode button which will set the unit and return to the Options menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

### BACK LIGHT COLOR



1. Press and hold the MODE button to enter the Options Menu.

#### NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

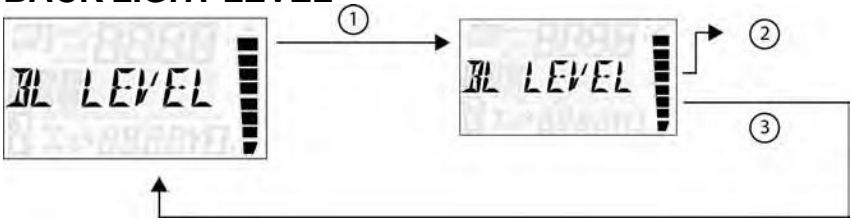
2. Select "Backlight Color" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
  - ② Toggle the Up/Down Buttons to change the units (Blue or Red)
  - ③ With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.
3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.



## BACK LIGHT LEVEL



1. Press and hold the MODE button to enter the Options Menu.

### NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

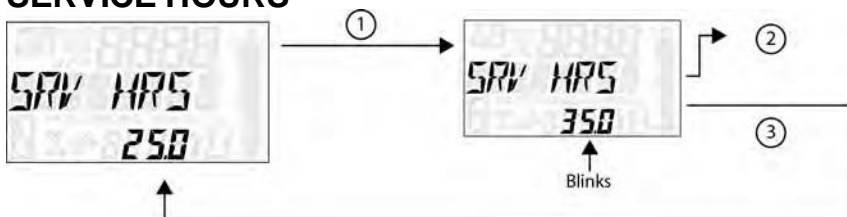
2. Select "Backlight Level" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
- ② Toggle the Up/Down Buttons to change the units (Increase or Decrease Level)
- ③ With the correct unit displayed, Press the mode button which will set the unit and return to the Options Menu.

3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

### SERVICE HOURS



1. Press and hold the MODE button to enter the Options Menu.

#### NOTICE

"OPTIONS" will display on the screen for 3 seconds before showing first menu item.

2. Select "Service Hours" from the Options Menu by pressing the MODE button.

Reference the image shown above:

- ① Press the MODE button.
- ② Toggle the Up/Down Buttons to change the units (0, 5, 10 - 95, 100)
- ③ With the correct unit displayed, press the MODE button, which will set the unit and return you to the Options Menu.

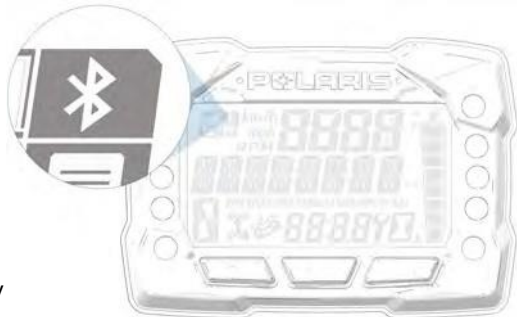
#### NOTICE

To reset service hours after they have counted down to "0.0", reselect the existing setpoint or select a new service hour value.

3. To exit the Options Menu the user can select Exit Menu function from Options Menu, can hold Mode Button and exit out of Options Menu, or not press any button for 10 seconds, which will exit out of the Options Menu.

### BLUETOOTH® (IF EQUIPPED)

The Bluetooth® functionality allows users to pair their phones with the Quadricycle's digital gauge. This function allows users to receive call and text alerts while operating the Quadricycle.



If a text message is received while the Quadricycle is moving faster than 2 KPH, only the sender's name is shown onscreen.

If you are browsing any of the Bluetooth® menus and the Quadricycle starts to move faster than 2 KPH, the menu will automatically display *QUADRICYCLE MOVING*. If you attempt to access Bluetooth® menus while the Quadricycle is moving faster than 2 KPH, the screen will display *QUADRICYCLE MOVING* momentarily, and then it will redirect to the options menu.

### PAIRING YOUR PHONE TO THE GAUGE

Use the following procedure to pair your phone with the Quadricycle's digital gauge.

#### NOTICE

Bluetooth® functionality is compatible with both iOS® and Android® phones. For iOS® phones, you must go to the Settings option and enable notifications. Most Android® phones will prompt the user automatically to enable notifications as part of the pairing process.

1. Make sure Bluetooth® is enabled on your phone.
2. Access the options menu on the Quadricycle's digital gauge and select *BT PAIR*. The Bluetooth® icon will begin to blink.
3. Find and select *Egimotors Gauge* on your phone's Bluetooth® menu or prompt. Pairing should occur momentarily. Pairing mode will continue for up to 90 seconds or if you exit the *BT PAIR* menu.

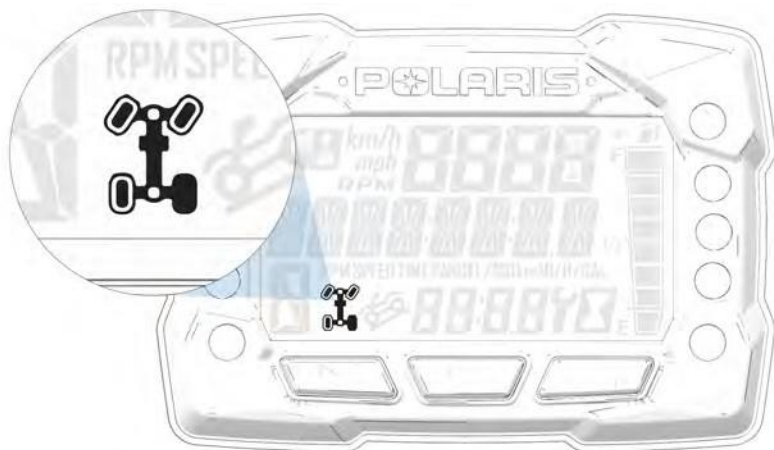
After successfully pairing the phone, the Quadricycle's digital gauge will automatically reconnect with the phone each time it is powered on and within range. No further action is required by the user at this point.

## FEATURES AND CONTROLS

### ALL WHEEL DRIVE SYSTEM

#### NOTICE

Switching to AWD while the rear wheels are spinning may cause severe drive shaft and gearcase damage. Always switch to AWD while the rear wheels have traction or are at rest.



The All Wheel Drive system is controlled by the Driveline switch. See page 42. Engage AWD before getting into conditions where front wheel drive may be needed. If the rear wheels are spinning, release the throttle before switching to AWD.

#### AWD MODE

Move the momentary Driveline switch to the far right to engage AWD. AWD will engage when engine speed slows to below 3100 RPM. The gauge will display "AWD". There is no limit to the length of time the Quadricycle may remain in AWD. The Quadricycle automatically engages AWD when operating in reverse if the switch is set to the AWD position.



Once enabled, AWD remains enabled until the switch is turned off. If the switch is turned off while the demand drive unit is moving, it will not disengage until the rear wheels regain traction.

When in AWD, the demand drive unit will automatically engage any time the rear wheels lose traction. When the rear wheels regain traction, the demand drive unit will automatically disengage.

### **2X4 MODE**

Move the momentary switch to the far left to operate in two-wheel drive. AWD will disengage when engine speed slows to below 3100 RPM. The gauge will display "2X4".

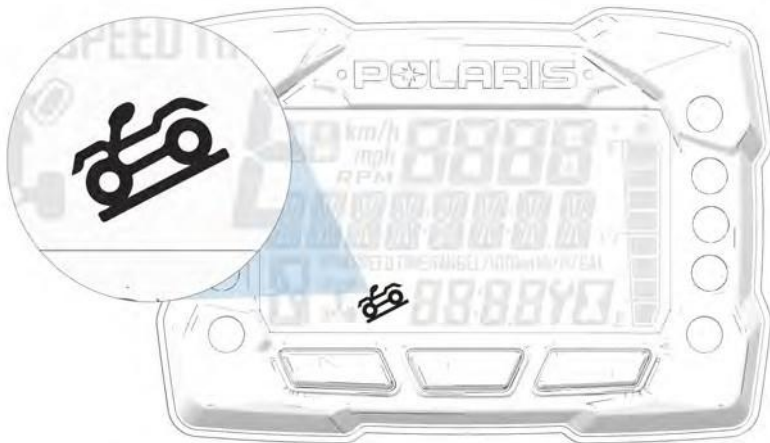




## FOUR-WHEEL DESCENT CONTROL (IF EQUIPPED)

### NOTICE

Switching to 4WDC while the rear wheels are spinning may cause severe drive shaft and gearcase damage. Always switch to 4WDC while the rear wheels have traction or are at rest.



The Four-Wheel Decent Control (4WDC) system allows engine braking to all four wheels when the Quadricycle descends a hill or incline. Always engage 4WDC mode (if equipped) before ascending or descending a hill.

### **ENGAGING FOUR-WHEEL DESCENT CONTROL**

The 4WDC system will automatically engage when *all* of the following conditions occur:

- 4WDC is engaged
- The throttle must be closed (throttle lever released)
- The transmission must be in gear (high, low or reverse)

### **DISENGAGING FOUR-WHEEL DESCENT CONTROL**

The 4WDC system will automatically disengage if *at least one* of the following conditions occur:

- The 4X4 switch is moved out of the 4WDC position
- The throttle is open (throttle is applied)
- The transmission is shifted to neutral or park
- The Quadricycle is on flat ground, or not actively descending a hill

# SAFE OPERATION PRACTICES

### WARNING

Failure to operate the Quadricycle properly can result in a collision, loss of control, accident or rollover, which may result in serious injury or death. Read and understand all safety warnings outlined in the safety section of this owner's manual.

1. Complete the recommended safety training before operating this Quadricycle.
2. Do not allow anyone under 18 years of age to operate this Quadricycle. Do not allow anyone with cognitive or physical disabilities to operate this Quadricycle.
3. Never carry a passenger on a 1-up ATV. Never carry more than one passenger on a 2-up ATV.
4. Engine exhaust fumes are poisonous. Never start the engine or let it run in an enclosed area.
5. Before operating, learn how to use the auxiliary brake for emergency situations (if service brakes become inoperable).
6. Use caution and drive at reduced speeds in conditions of reduced visibility such as fog, rain and darkness. Clean headlights frequently and replace burned out headlamps promptly.
7. Drive in a manner appropriate for your skills, your passenger's skills and operating conditions. Never operate at excessive speeds. Never attempt wheelies, jumps, or other stunts. Never remove your hands from the handlebars while operating, and always keep both feet on the footrests.
8. Never consume alcohol or drugs before or while operating an ATV.
9. Always use the size and type of tires specified for your Quadricycle. Always maintain proper tire pressure.
10. Never operate a damaged ATV. After any overturn or accident, have a qualified service dealer inspect the entire machine for possible damage.
11. Never operate the ATV on a frozen body of water unless you have independently verified that the ice is sufficiently thick to support the weight and moving force of the ATV, you and your cargo, together with any other Quadricycles in your party.



12. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.
13. Always remove the ignition key when the Quadricycle is not in use to prevent unauthorized use.

## TRAIL ETIQUETTE

Always practice good etiquette when riding. Allow a safe distance between your Quadricycle and other Quadricycles operating in the same area. Communicate to oncoming operators by signaling the number of Quadricycles in your group. When stopping, move your Quadricycle to the edge of the trail as far as possible to allow others to pass safely.

## KNOW YOUR RIDING AREA/TREAD LIGHTLY<sup>SM</sup>

Familiarize yourself with all laws and regulations concerning the operation of this Quadricycle in your area. Respect the environment in which you ride your Quadricycle.

Find out where the designated riding areas are by contacting your EGIMOTORS dealer, a local riding club, or local officials.

Help keep our trails open for recreational Quadricycle use. As an off-road enthusiast, you represent the sport and can set a good example (or a poor example) for others to follow. Operate with respect for the terrain, avoid littering, and always stay on the designated trails.

## QUADRICYCLE BREAK-IN PERIOD

The break-in period for your new EGIMOTORS Quadricycle is the first 25 hours of operation, or the time it takes to use the first two tanks full of gasoline. No single action on your part is as important as a proper break-in period. Careful treatment of a new engine and drive components will result in more efficient performance and longer life for these components. Perform the following procedures carefully.

### NOTICE

Excessive heat build-up during the first three hours of operation will damage close-fitted engine parts and drive components. Do not operate at full throttle or high speeds during the first three hours of use.

Use of any improper oils may cause serious engine damage. POLARIS PS-4 Full Synthetic 5W-50 4-Cycle Oil is specifically formulated for your 4-cycle engine.

### **ENGINE AND DRIVETRAIN BREAK-IN**

1. Fill the fuel tank with gasoline. See the Fuel Tank section for details. Always exercise extreme caution whenever handling gasoline.
2. Check the oil level. See the Oil Check section for reference. Add the recommended oil as needed to maintain the oil level in the safe operating range.
3. Drive slowly at first. Select an open area that allows room to familiarize yourself with Quadricycle operation and handling.
4. Avoid aggressive use of the brakes.
5. Vary throttle positions. Do not operate at sustained idle.
6. Pull only light loads.
7. Perform regular checks on fluid levels, controls and areas outlined on the daily pre-ride inspection checklist.
8. During the break-in period, change both the oil and the filter at 25 hours or 250 miles.
9. Check fluid levels of transmission and all gearcases after the first 25 hours of operation and every 100 hours thereafter.

### **BRAKE SYSTEM BREAK-IN**

Apply only moderate braking force for the first 50 stops. Aggressive or overly forceful braking when the brake system is new could damage brake pads and rotors.

### **PVT BREAK-IN (CLUTCHES/BELT)**

Always break in the clutches and drive belt of new Quadricycles, as well as after a belt replacement.

A proper break-in of the clutches and drive belt will ensure a longer life and better performance. Break in the clutches and belt by operating at slower speeds during the break-in period as recommended. Pull only light loads. Avoid aggressive acceleration and high speed operation during the break-in period.

If a belt fails, always clean any debris from the PVT intake and outlet duct and from the clutch and engine compartments when replacing the belt.

## PRE-RIDE CHECKLIST

Failure to inspect and verify that the ATV is in safe operating condition before operating increases the risk of an accident. Always inspect the ATV before each use to make sure it's in safe operating condition.

**No single action is more important for your Safety!**

ITEM	REMARKS
Passenger seat latch (if equipped)	Ensure latch is secure
Hand brake/lever travel	Ensure proper operation
Foot brake	Ensure proper operation
Brake fluid	Ensure proper levels
Front suspension	Inspect, lubricate if necessary
Rear suspension	Inspect, lubricate if necessary
Steering	Ensure free operation
Tires	Inspect condition and pressure
Wheels/fasteners	Inspect, ensure fastener tightness
Frame nuts, bolts, fasteners	Inspect, ensure tightness
Fuel and oil	Ensure proper levels
Coolant level	Ensure proper level
Coolant hoses	Inspect for leaks
Throttle	Ensure proper operation
Indicator lights/switches	Ensure proper operation
Engine stop switch	Ensure proper operation
Air filter, pre-filter	Inspect, clean
Headlights	Check operation
Brake light/tail lamp	Check operation

## OPERATION

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ITEM	REMARKS
Riding gear	Wear approved helmet, goggles, and protective clothing
Mirrors (if equipped)	Adjust for best side/rear vision
Winch (if equipped)	Inspect cable and switch.
Grass and Leaves	Remove grass, leaves, foreign matter, and other flammable material or debris, especially near the exhaust system

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## DRIVING PROCEDURES

### NEW OPERATOR DRIVING PROCEDURES

1. Wear protective riding gear. See the Safe Riding Gear section.
2. Perform the pre-ride inspection.

3. Place the transmission in PARK.

4. Lock the brake holding latch.

5. Mount the Quadricycle from the left side.

6. Sit upright with both feet on the footrests and both hands on the handlebars.

7. Start the engine and allow it to warm up.



8. Shift the transmission into gear.

9. Check your surroundings and determine your path of travel.

10. Release the brake holding latch.

11. Slowly depress the throttle with your right thumb and begin driving.

12. Drive slowly. Practice maneuvering and using the throttle and brakes on level surfaces.

### TURNING THE QUADRICYCLE

1. Slow down.
2. Never turn quickly when carrying cargo.
3. Steer in the direction of the turn.
4. Keep both feet on the footrests.
5. Lean your upper body to the inside of the turn while supporting your weight on the outer footrest. This technique alters the balance of traction between the rear wheels, allowing the turn to be made smoothly. The same leaning technique should be used for turning in reverse.
6. Practice making turns at slow speeds before attempting to turn at faster speeds.

 **WARNING**

Turning improperly can result in Quadricycle overturn. Never turn abruptly or at sharp angles. Never turn at high speeds.

## DRIVING ON SLIPPERY SURFACES

### WARNING

Skidding or sliding can cause loss of control or rollover (if tires regain traction unexpectedly). When operating on slippery surfaces such as ice or loose gravel, reduce speed and use extra caution to reduce the chance of skidding or sliding out of control. Do not operate on excessively slippery surfaces.



Whenever riding on slippery surfaces such as wet trails or loose gravel, or during freezing weather, follow these precautions:

1. Do not operate on excessively rough, slippery or loose terrain.
2. Slow down when entering slippery areas.
3. Engage 4X4 before wheels begin to lose traction.

### NOTICE

Severe damage to drive train may occur if the 4X4 is engaged while the wheels are spinning. Allow the rear wheels to stop spinning before engaging 4X4, or engage 4X4 before wheels begin to lose traction.

4. Maintain a high level of alertness, reading the trail and avoiding quick, sharp turns, which can cause skids.
5. Never apply the brakes during a skid. Correct a skid by turning the handlebars in the direction of the skid and shifting your body weight forward.

### DRIVING UPHILL

Braking and handling are greatly affected when operating in hilly terrain. Improper procedure could cause loss of control or overturn. Whenever traveling uphill, follow these precautions:

1. Always engage 4WDC before ascending or descending a hill.
2. Drive straight uphill.
3. Avoid steep hills. **Maximum incline is: 15°**
4. Always check the terrain carefully before ascending any hill.
5. Never climb hills with excessively slippery or loose surfaces.
6. Keep both feet on the footrests.
7. Shift body weight uphill.
8. Proceed at a steady rate of speed and throttle opening. Opening the throttle suddenly could cause the ATV to flip over backwards.
9. Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another Quadricycle or person could be on the other side of the hill.
10. Remain alert and be prepared to take emergency action. This may include quick dismounting of the Quadricycle.



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## DRIVING DOWNHILL



When driving downhill, follow these precautions:

1. Always check the terrain carefully before descending a hill.
2. Always engage 4WD or 4WDC mode (if equipped) before ascending or descending a hill.
3. Avoid steep hills. **Maximum incline is 15°**
4. Always descend a hill with the transmission in forward gear. Do not descend a hill with the transmission in neutral.
5. Slow down. Never travel down a hill at high speed.
6. Drive straight downhill. Avoid traveling down a hill at an angle, which would cause the Quadricycle to lean sharply to one side.
7. Shift body weight uphill.
8. Apply the brakes *slightly* to aid in slowing. Applying the brakes too firmly may cause the rear wheels to lock, which could result in loss of control.

### DRIVING ON A SIDEHILL (SIDEHILLING)



Driving on a sidehill is not recommended. Improper procedure could cause loss of control or overturn. Avoid crossing the side of any hill unless absolutely necessary.

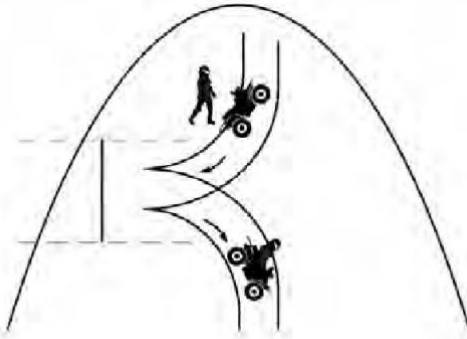
If crossing a sidehill is *unavoidable*, follow these precautions:

1. Slow down.
2. Avoid crossing the side of a steep hill.
3. Lean into the hill, transferring your upper body weight toward the hill while keeping your feet on the footrests.
4. If the Quadricycle begins to tip, quickly turn the front wheel downhill, if possible, or dismount on the uphill side *immediately!*

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## TURNING AROUND ON A HILL (K-TURN)

If the Quadricycle stalls while climbing a hill, never back it down the hill!  
Use the K-Turn to turn around.



1. Stop the Quadricycle. Keep your weight uphill.
2. Always engage ADC mode (if equipped) before ascending or descending a hill. If ADC mode is not equipped, apply AWD mode before ascending or descending a hill.
3. Lock the hydraulic parking brake.
4. Leave the transmission in forward gear. Turn the engine off.
5. Stay uphill of the Quadricycle and turn the handlebars full left.
6. Squeeze the brake lever to release the parking brake.
7. Slowly release the brake lever and allow the Quadricycle to roll around to your right until it's pointing across the hill or slightly downward.
8. Lock the hydraulic parking brake.
9. Remount from the uphill side. Keep your weight uphill. *A passenger should not remount until the Quadricycle returns to firm, level ground.*
10. Apply the foot brake.
11. With the transmission still in forward, start the engine.
12. Squeeze and release the brake lever to release the parking brake.
13. Release the foot brake and drive *slowly* downhill. Control speed with either the hand or foot brake until the Quadricycle is on level ground.

### DRIVING THROUGH WATER

#### NOTICE

Major engine damage can result if the Quadricycle is not thoroughly inspected after operation in water. Perform the services outlined in the Periodic Maintenance Chart. The following areas need special attention: engine oil, transmission oil, demand drive fluid and all grease fittings.

If the Quadricycle tips or overturns in water, or if the engine stops during or after operating in water, service is required before starting the engine. Your EGIMOTORS dealer can provide this service. If it's impossible to bring the Quadricycle in before starting the engine, perform the service outlined in the Quadricycle Immersion section of this manual, and take the Quadricycle in for service at the first opportunity.

Your ATV can operate through water with a maximum recommended depth equal to the bottom of the footrests.

Follow these procedures when operating through water:

1. Determine water depths and current before entering water.
2. Choose a crossing where both banks have gradual inclines.
3. Avoid operating through deep or fast-flowing water.



4. After leaving water, test the brakes. Apply them lightly several times while driving slowly. The friction will help dry out the pads.

*If it's unavoidable to enter water deeper than the footrest level:*

- Proceed slowly. Avoid rocks and obstacles.
- Balance your weight carefully. Avoid sudden movements.
- Maintain a steady rate of speed. Do not make sudden turns or stops. Do not make sudden throttle changes.

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## DRIVING OVER OBSTACLES



Follow these precautions when operating over obstacles:

1. Always check for obstacles before operating in a new area.
2. Look ahead and learn to read the terrain. Be constantly alert for hazards such as logs, rocks and low hanging branches.
3. Travel slowly and use extra caution when operating on unfamiliar terrain. Not all obstacles are immediately visible.
4. Never attempt to operate over large obstacles, such as rocks or fallen trees.
5. Always have a passenger dismount before operating over an obstacle that could cause a fall from the Quadricycle or Quadricycle tipover.

### DRIVING IN REVERSE



Follow these precautions when operating in reverse:

1. Always check for obstacles or people behind the Quadricycle.
2. Always avoid backing downhill.
3. Back slowly.
4. Apply the brakes *lightly* for stopping.
5. Avoid turning at sharp angles.
6. Never open the throttle suddenly.
7. Do not use the override switch unless additional wheel speed is required for Quadricycle movement. Use the override with caution as rearward Quadricycle speed is greatly increased. Do not operate at wide open throttle. Operate the throttle just enough to maintain a desired speed.

#### NOTICE

Excessive throttle operation while in the speed limit mode may cause fuel to build in the exhaust, resulting in engine popping and/or engine damage.

## OPERATING IN LIGHTNING

Avoid operating this Quadricycle when lightning could occur unless the Quadricycle is equipped with a fully enclosed cab. Rubber tires, rubber handgrips and a foam seat will not protect a rider from lightning strikes. Always seek safe shelter when lightning is imminent.

## BOARDING AND DISMOUNTING THE QUADRICYCLE

### BOARDING

If boarding from the left side of the Quadricycle, grasp the left handlebar grip with your left hand. Step onto the footrest and place your right foot and leg across the seat. Sit astride the Quadricycle.

If boarding from the right side of the Quadricycle, grasp the right handlebar grip with your right hand. Step onto the footrest and place your left foot and leg across the seat. Sit astride the Quadricycle.

### DISMOUNTING

1. Position the Quadricycle on a level surface.
2. Place the transmission in PARK (or neutral).
3. Stand on the footrests and dismount the Quadricycle, holding onto the handlebar for support.

## STARTING THE ENGINE

1. Position the Quadricycle on a level surface outdoors or in a well-ventilated area.
2. Place the transmission in PARK.
3. Lock the parking brake.
4. Sit on the Quadricycle and move the engine stop switch to RUN.

### NOTICE

Do not press the throttle while starting the engine.

5. Turn the ignition key past the ON position to engage the starter. Activate the starter for a maximum of five seconds, releasing the key when the engine starts.
6. If the engine does not start, return the key to the OFF position and wait five seconds before attempting to start again. Activate the starter for another five seconds if necessary. Repeat this procedure until the engine starts.

### NOTICE

Operating the Quadricycle immediately after starting could cause engine damage. Allow the engine to warm up for several minutes before operating the Quadricycle.

## COLD WEATHER OPERATION

If the Quadricycle is used year-round, check the oil level frequently. A rising oil level could indicate the accumulation of contaminants such as water or excess fuel in the bottom of the crankcase. Water in the bottom of the crankcase can lead to engine damage and must be drained. Water accumulation increases as outside temperature decreases.

## PARKING THE QUADRICYCLE

1. Stop the Quadricycle on a level surface. When parking inside a garage or other structure, be sure that the structure is well ventilated and that the Quadricycle is not close to any source of flame or sparks, including any appliance with pilot lights.
2. Place the transmission in PARK.
3. Turn the engine off.
4. Engage the parking brake holding latch located on the left hand control.
5. Make sure the transmission is in PARK before exiting the Quadricycle.
6. Remove the ignition key to prevent unauthorized use.

## PARKING ON AN INCLINE

Avoid parking on an incline if possible. If it's unavoidable, follow these precautions:

1. Stop the engine.
2. Place the transmission in PARK.
3. Engage the parking braking holding latch on left hand control.
4. Always block the rear wheels on the downhill side.



## HAULING CARGO

### WARNING

Overloading the Quadricycle or carrying or towing cargo improperly can alter Quadricycle handling and may cause loss of control or brake instability, which can result in serious injury or death. Always follow these precautions when hauling cargo:

**REDUCE SPEED AND ALLOW GREATER DISTANCES FOR BRAKING WHEN HAULING CARGO.**

**NEVER EXCEED THE MAXIMUM WEIGHT CAPACITY** of the Quadricycle. When determining the weight you are adding to the Quadricycle, include the weight of the operator, accessories, loads in the rack or box and the load on the trailer tongue. The combined weight of these items must not exceed the maximum weight capacity.

**CARGO WEIGHT DISTRIBUTION** should be 1/3 on the front rack and 2/3 on the rear rack. When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions. Carrying loads on only one rack increases the possibility of Quadricycle overturn.

**CARRY LOADS AS LOW ON THE RACKS AS POSSIBLE.** Carrying loads high on the racks raises the center of gravity of the Quadricycle and creates a less stable operating condition.

**SECURE ALL LOADS BEFORE OPERATING.** Unsecured loads can create unstable operating conditions, which could result in loss of control of the Quadricycle.

**OPERATE ONLY WITH STABLE AND SAFELY ARRANGED LOADS.** When handling off-centered loads that cannot be centered, securely fasten the load and operate with extra caution. Always attach the tow load to the hitch point designated for your Quadricycle.

**HEAVY LOADS CAN CAUSE BRAKING AND CONTROL PROBLEMS.** Use extreme caution when applying brakes with a loaded Quadricycle. Avoid terrain or situations that may require backing downhill.

**USE EXTREME CAUTION** when operating with loads that extend over the rack sides. Stability and maneuverability may be adversely affected, causing the Quadricycle to overturn.

**DO NOT BLOCK THE FRONT HEADLIGHT BEAM** when carrying loads on the front rack.

**DO NOT TRAVEL FASTER THAN THE RECOMMENDED SPEEDS.**

The Quadricycle should never exceed (18 Km/h) while towing a load on a level surface. Quadricycle speed should never exceed (8 km/h) when towing loads in rough terrain, while cornering, or while ascending or descending a hill.

### HAULING CARGO GUIDELINES

1. Never exceed the weight capacities specified for your ATV on warning labels and in the specifications section of this manual
2. Cargo weight should be evenly distributed (1/3 on the front rack and 2/3 on the rear rack) and mounted as low as possible.
3. When operating over rough or hilly terrain, reduce speed and cargo weight to maintain stable driving conditions.
4. NEVER exceed 50 km/h when rear cargo loads are above 50kg and/or front cargo loads are above 20 kg.
5. Do not fix the cargo on the steering post.
6. Slow down and be careful all the time you haul something
7. Use low forward gear when hauling or towing heavy cargo to extend belt life.
8. Always operate the Quadricycle with extreme caution whenever hauling or towing loads. Balance, handling and control may be affected.

### TOWING LOADS

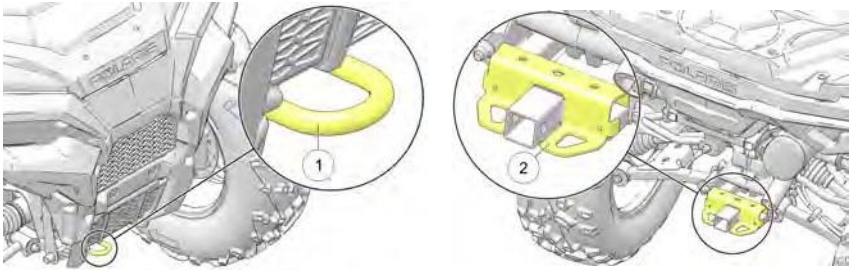
Always attach a towed load to the hitch point. Remove the hitch from the ATV when not towing a trailer. If towing a load, reduce rear rack cargo weight by the amount of tongue weight.

- The combination of rear rack cargo weight and tongue weight must not exceed the rear rack capacity.
- The total load (operator, accessories, cargo and weight on hitch) must not exceed the maximum weight capacity of the Quadricycle.

#### NOTICE

Using an improper procedure or exceeding the maximum tongue weight capacity can result in serious damage to the Quadricycle and will void your warranty. Always install EGIMOTORS -approved accessories designed for QUADRICYCLE use.

## TRAILERING YOUR QUADRICYCLE



Follow these procedures when transporting the Quadricycle.

1. Stop the engine.
2. Place the transmission in PARK.
3. Secure the fuel cap, oil cap, and seat.
4. Remove the key to prevent loss during transporting.
5. Use suitable straps or rope to secure the Quadricycle to the front tow hook ① and rear tow bracket ②. Do not attach tie straps to the front A-arm bolt pockets, racks, or handlebars.

# WINCH GUIDE

## WINCH SAFETY

These safety warnings and instructions apply if your Quadricycle came equipped with a winch or if you choose to add an accessory winch to your Quadricycle.

 **WARNING**

Improper winch use can result in SEVERE INJURY or DEATH. Always follow all winch instructions and warnings in this manual.

Your winch may have a cable made of either wire rope or specially designed synthetic rope. The term "winch cable" will be used for either unless noted otherwise.

## WINCH SAFETY PRECAUTIONS

1. Read all sections of this manual.
2. Never use alcohol or drugs before or while operating the winch.
3. Never allow children under 18 years of age to operate the winch.
4. Always wear eye protection and heavy gloves when operating the winch.
5. Always keep body, hair, clothing and jewelry clear of the winch cable, fairlead and hook when operating winch.
6. Never attempt to "jerk" a load attached to the winch with a moving Quadricycle. See the *Shock Loading* section on page 99.
7. Always keep the area around the Quadricycle, winch, winch cable, and load clear of people (especially children) and distractions while operating the winch.
8. Always turn the Quadricycle ignition power OFF when it and the winch are not being used.
9. Always be sure that at least five (5) full turns of winch cable are wrapped around the winch drum at all times. The friction provided by this wrapped cable allows the drum to pull on the winch cable and move the load.
10. Always apply your Quadricycle's park brake and/or park mechanism to hold the Quadricycle in place during winching. Use wheel chocks if needed.
11. Always align the Quadricycle and winch with the load directly in front of the Quadricycle as much as possible. Avoid winching with the winch cable at an angle to the winching Quadricycle's centerline whenever possible.



## WINCH GUIDE

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12. If winching at an angle is unavoidable, follow these precautions:
  - a. Look at the winch drum occasionally. Never let the winch cable “stack” or accumulate at one end of the winch drum. Too much winch cable at one end of the winch drum can damage the winch and the winch cable.
  - b. If stacking occurs, stop winching. Follow step 15 of Winch Operation to feed and rewind the cable evenly before continuing the winch operation.
13. Never winch up or down at sharp angles. This can destabilize the winching Quadricycle and possibly cause it to move without warning.
14. Never attempt to winch loads that weigh more than the winch’s rated capacity.
15. The winch motor may become hot during winch use. If you winch for more than 45 seconds, or if the winch stalls during operation, stop winching and permit the winch to cool down for 10 minutes before using it again.
16. Never touch, push, pull or straddle the winch cable while winching a load.
17. Never let the winch cable run through your hands, even if wearing heavy gloves.
18. Never release the clutch on the winch when the winch cable is under load.
19. Never use the winch for lifting or transporting people.
20. Never use the winch to hoist or suspend a vertical load.
21. Always inspect your winch and winch cable before each use.
22. Never winch the hook fully into the winch. This can cause damage to winch components.
23. Unplug the remote control from the Quadricycle when the winch is not in use to prevent inadvertent activation and use by unauthorized persons.
24. Never grease or oil the winch cable. This will cause the winch cable to collect debris that will shorten the life of the cable.



## WINCH OPERATION

Read the Winch Safety Precautions in the preceding pages before using your winch.

### TIP

Consider practicing the operation and use of your winch before you actually need to use it in the field.

### ⚠ WARNING

Improper winch use can result in **SEVERE INJURY** or **DEATH**. Always follow all winch instructions and warnings in this manual.

Each winching situation is unique.

- Take your time to think through the winching you are about to do.
  - Proceed slowly and deliberately.
  - Never hurry or rush during winching.
  - Always pay attention to your surroundings.
  - You may need to change your winching strategy if it is not working.
  - Always remember that your winch is very powerful.
  - There are simply some situations that you and your winch will not be able to deal with. Do not be afraid to ask others to help when this happens.
1. Always inspect the Quadricycle, winch, winch cable and winch controls for any signs of damage or parts in need of repair or replacement before each use. *Pay particular attention to the first 3 feet (1 meter) of winch cable if the winch is being used (or has been used) for lifting an accessory plow assembly.* Promptly replace any worn or damaged cable.
  2. Never operate a winch or a Quadricycle in need of repair or service.
  3. Always apply your Quadricycle's park brake and/ or park mechanism to hold the Quadricycle in place during winching. Use wheel chocks if needed.
  4. Always use the hook strap when handling the hook.



## WINCH GUIDE

### ⚠ WARNING

Never put your fingers into the hook. This could lead to SEVERE INJURY.

- Attach the hook itself onto the load or use a tow strap or chain to secure the load to the winch cable.



### TIP

A “tow strap” is NOT intended to stretch. A “recovery strap” is designed to stretch.

### ⚠ WARNING

Never use a recovery strap when winching due to the excessive energy that can be released if the winch cable breaks. This can result in SEVERE INJURY or DEATH. See the *Shock Loading* section on page 99.

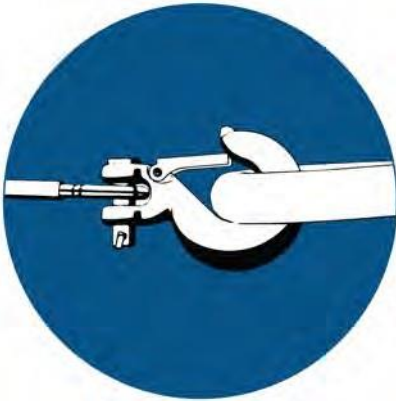
- Never hook the winch cable back onto itself. This will damage the winch cable and may result in winch cable failure.

### ⚠ WARNING

Replace the winch cable at the first sign of damage to prevent SEVERE INJURY or DEATH in the event of failure. For your safety, always replace EGIMOTORS winch parts (including the cable) with genuine EGIMOTORS replacement parts available at your authorized EGIMOTORS dealer, or other qualified dealer.



- If possible, keep the winch cable aligned with the centerline of the winching Quadricycle. This will help the spooling of the winch cable and reduce the load on the fairlead.
- If freeing a stuck Quadricycle by attaching to a tree, use an item such as a tow strap to avoid damaging the tree during winch operation. Sharp cables and chains can damage and even kill trees. Please remember to Tread Lightly<sup>SM</sup> (treadlightly.org).
- Before operating the winch, be sure that the safety latch on the winch cable hook is fully seated when the load is attached.
- Never operate your winch with a damaged hook or latch. Always replace damaged parts before using the winch.



5. Never remove the hook strap from the hook.
6. Release the winch clutch and pull out the winch cable.
7. Pulling out as much cable as possible maximizes the winch's pulling capacity. Always be sure that at least five (5) full turns of winch cable are wrapped around the winch drum at all times. The friction provided by this wrapped cable allows the drum to pull on the winch cable and move the load.
8. Read and adhere to the following information for winch damping to ensure safe winch use.
  - a. In order to absorb energy that could be released by a winch cable failure, always place a "damper" on the winch cable. A damper can be heavy jacket, tarp, or other soft, dense object. A damper can absorb much of the energy released if a winch cable breaks when winching. Even a tree limb can help as a damper if no other items are available to you.
  - b. Lay the damper on top of the mid-point of the winch cable length that is spooled out.

## WINCH GUIDE

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- c. On a long pull, it may be necessary to stop winching so that the damper can be repositioned to the new mid-point of the winch cable. Always release the tension on the winch cable before repositioning the damper.
  - d. Avoid being directly in line with the winch cable whenever possible. Also, never permit others to stand near or in line with the winch cable during winch operation.
9. Never hook the winch cable back onto itself. This will damage the winch cable and may result in winch cable failure.
10. Never use straps, chains or other rigging items that are damaged or worn.
11. The ONLY time a winch-equipped Quadricycle should be moving when using the winch is when that Quadricycle itself is stuck. The winch equipped Quadricycle should NEVER be in motion to “shock” load the winch cable in an attempt to move a second stuck Quadricycle. See the Shock Loading section on page 99. For your safety, always follow these guidelines when winching a Quadricycle free:
- a. Release the winch clutch and spool out the necessary length of winch cable.
  - b. Align the winch cable as close as possible to the winching Quadricycle’s centerline.
  - c. Attach the winch cable hook to the anchor point or the stuck Quadricycle’s frame following instructions in this manual.
  - d. Re-engage the clutch on the winch.
  - e. Slowly winch in the slack in the winch cable.
  - f. Select the proper Quadricycle gear to propel the stuck Quadricycle in the direction of winching.
  - g. Shift to the lowest gear available on the stuck Quadricycle.
  - h. Slowly and carefully apply Quadricycle throttle and winch together to free the Quadricycle.
  - i. Stop winching as soon as the stuck Quadricycle is able to propel itself without the help of the winch.
  - j. Detach the winch cable hook.
  - k. Rewind the winch cable evenly back onto the winch drum following the instructions in this manual.
12. Never attempt to winch another stuck Quadricycle by attaching the winch cable to a suspension component, brush guard, bumper or cargo rack. Quadricycle damage may result. Instead, attach the winch to a strong portion of the Quadricycle frame or hitch.

13. Extensive winching will run down the battery on the winching Quadricycle. Let the winching Quadricycle's engine run while operating the winch to prevent the battery from running low if winching for long periods.
14. The winch motor may become hot during winch use. If you winch for more than 45 seconds, or if the winch stalls during operation, stop winching and permit the winch to cool down for 10 minutes before using it again.
15. After winching is complete, especially if winching at an angle, it may be necessary to re-distribute the winch cable across the winch drum. You will need an assistant to perform this task.
  - a. Release the clutch on the winch.
  - b. Feed out the winch cable that is unevenly bunched up in one area.
  - c. Re-engage the winch clutch.
  - d. Have an assistant pull the winch cable tightly with about 100 lbs. (45 kg) of tension using the hook strap.
  - e. Slowly winch the cable in while your assistant moves the end of the winch cable back and forth horizontally to evenly distribute the winch cable on the drum.
  - f. Doing this reduces the chances of the winch cable "wedging" itself between lower layers of winch cable.

### WINCH CABLE CARE

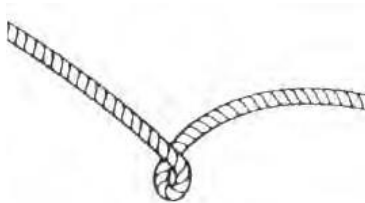
#### WARNING

Use of worn or damaged cable could lead to sudden failure and SEVERE INJURY.

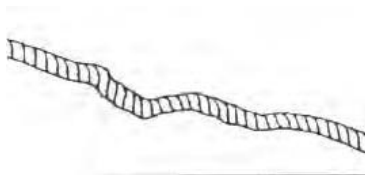
For your safety, always replace EGIMOTORS winch parts (including the cable) with genuine EGIMOTORS replacement parts available at your authorized EGIMOTORS dealer, or other qualified person.

1. Always inspect your winch before each use. Inspect for worn or loose parts including mounting hardware. Never use the winch if any part needs repair or replacement.
2. Always inspect your winch cable before each use. Inspect for worn or kinked winch cable.

A kinked winch cable made of wire rope is shown at right. Even after being “straightened out,” this cable has already been permanently and severely damaged. Promptly discontinue use of a winch cable in this condition.



A kinked winch cable made of wire rope that has been “straightened out” is shown at right. Even though it may look usable, the cable has been permanently and severely damaged. It can no longer transmit the load that it could prior to kinking. Promptly discontinue use of a winch cable in this condition.



A winch cable made of synthetic rope should be inspected for signs of fraying. Replace the cable if fraying is observed (shown below). Promptly discontinue use of a winch cable in this condition. Also replace the winch cable if there are fused or melted fibers. Such an area of the synthetic rope will be stiff and appear smooth or glazed. Promptly discontinue use of a winch cable in this condition.



## SHOCK LOADING

 **WARNING**

Your winch cable is very strong but it is NOT designed for dynamic, or “shock” loading. Shock loading may tension a winch cable beyond its strength and cause the cable to break. The end of a broken winch cable under such high loading can cause SEVERE INJURY or DEATH to you and other bystanders.

*Winch cables are designed to NOT absorb energy. This is true of both wire-ropes and synthetic-rope winch cables.*

1. Never attempt to “jerk” a load with the winch. For example, never take up slack in the winch cable by moving the winching Quadricycle in an attempt to move an object. This is a dangerous practice. It generates high winch cable loads that may exceed the strength of the cable. Even a slowly moving Quadricycle can create large shock loads in a winch cable.

 **WARNING**

SEVERE INJURY or DEATH can result from a broken winch cable.

2. Never quickly turn the winch ON and OFF repeatedly (“jogging”). This puts extra load on the winch, winch cable, and generates excessive heat from the motor. This is a form of shock loading.
3. Never tow a Quadricycle or other object with your winch. Towing an object with a winch produces shock loading of the cable even when towing at slow speeds. Towing from a winch also positions the towing force high on the Quadricycle. This can cause instability of the Quadricycle and possibly lead to an accident.
4. Never use recovery straps with your winch. Recovery straps are designed to stretch and can store energy. This stored energy in the recovery strap is released if a winch cable fails making the event even more hazardous. Similarly, never use elastic “bungee” cords for winching.
5. Never use the winch to tie down a Quadricycle to a trailer or other transportation Quadricycle. This type of use also causes shock loading that can cause damage to the winch, winch cable, or Quadricycles used.

**Your winch cable is designed and tested to withstand the loads produced by the winch motor when operated from a stationary Quadricycle. Always remember that the winch and winch cable are NOT designed for shock loading.**

# WINCH MAINTENANCE AND SERVICE SAFETY

 **WARNING**

Improper or lack of winch maintenance and service could lead to **SEVERE INJURY** or **DEATH**. Always follow all winch instructions and warnings in this manual.

1. Always inspect your winch before each use. Inspect for worn or kinked winch cable. Also inspect for worn or loose parts including mounting hardware.
2. Permit your winch motor to cool down prior to servicing your winch.
3. Never work on your winch without first disconnecting the battery connections to prevent accidental activation of the winch.
4. For your safety, always replace EGIMOTORS winch parts (including the cable) with genuine EGIMOTORS replacement parts available at your authorized EGIMOTORS dealer, or other qualified person.
5. Some winch models use wire rope as the winch cable. Other winches use a specially designed synthetic rope as the winch cable.
6. Never replace a synthetic-rope winch cable with a consumer-grade polymer rope such as can be purchased in a hardware store. Although they may look similar, they are **NOT** alike. A polymer rope not designed for winch use will stretch and store excessive energy when winching.

 **WARNING**

Failure of a stretched rope under winching conditions will release all of the stored energy. This will increase the chances of **SEVERE INJURY** or **DEATH**.

# EMISSION CONTROL SYSTEMS

## NOISE EMISSION CONTROL SYSTEM

Do not modify the engine, intake or exhaust components, as doing so may affect compliance with governmental noise level requirements.

## SPARK ARRESTER

Your EGIMOTORS Quadricycle has a spark arrester that was designed for on-road and off-road operation. It is required that this spark arrester remain installed and functional when the Quadricycle is operated.

## EXHAUST EMISSION CONTROL SYSTEM

Exhaust emissions are controlled by engine design. An electronic fuel injection (EFI) system controls fuel delivery. The engine and EFI components are set at the factory for optimal performance and are not adjustable.

The emissions label is located on the right front frame of the Quadricycle.

## ELECTROMAGNETIC INTERFERENCE

This Quadricycle complies with the EMC requirements of European directive 2014/30/EU.

Non-ionizing Radiation: This Quadricycle emits some electromagnetic energy. People with active or non-active implantable medical devices (such as heart monitoring or controlling devices) should review the limitations of their device and the applicable electromagnetic standards and directives that apply to this Quadricycle.

### **EUROPEAN VIBRATION AND NOISE**

The driver-perceived noise and hand/arm and whole-body vibration levels of this machinery is measured per EN 15997.



## **MAINTENANCE**

### **PERIODIC MAINTENANCE**

Careful periodic maintenance will help keep your Quadricycle in the safest, most reliable condition. Inspection, adjustment and lubrication of important components are explained in the periodic maintenance chart.

Inspect, clean, lubricate, adjust and replace parts as necessary. When inspection reveals the need for replacement parts, use genuine EGIMOTORS parts available from your authorized dealer.

Record maintenance and service in the Maintenance Log section at the end of the manual.

Service and adjustments are important for proper Quadricycle operation. If you're not familiar with safe service and adjustment procedures, have a qualified dealer perform these operations.

Maintenance intervals in the following chart are based upon average riding conditions and an average Quadricycle speed of approximately 18 kilometers per hour (10 mph). Quadricycles subjected to severe use must be inspected and serviced more frequently.

### **SEVERE USE DEFINITION**

- Frequent immersion in mud, water or sand
- Frequent or prolonged operation in dusty environments
- Short trip cold weather operation
- Racing or race-style high RPM use
- Prolonged low speed, heavy load operation
- Extended idle

Pay special attention to the oil level. A rise in oil level during cold weather can indicate contaminants collecting in the oil sump or crankcase. Change oil immediately if the oil level begins to rise. Monitor the oil level, and if it continues to rise, discontinue use and determine the cause. Your dealer can assist.

# MAINTENANCE

## MAINTENANCE CHART

SYMBOL	DESCRIPTION
XU	Perform these procedures more often for Quadricycles subjected to severe use.
D	Have an authorized Egimotors dealer or other qualified person perform these services.

### WARNING

Improperly performing the procedures marked with a **D** could result in component failure and lead to serious injury or death. Have an authorized EGIMOTORS dealer or other qualified person perform these services.

Perform all services at whichever maintenance interval is reached first. Record maintenance and service in the Maintenance Log.

ITEM	MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
	HOURS	CALENDAR	MILES (KM)	
Steering	-	Pre-Ride	-	Inspect and make adjustments as needed.
Front Suspension				
Rear Suspension				
Tires				
Brake Fluid Level				
Brake Lever Travel				
Brake System				
Wheels / Fasteners				
CV Boot				
Frame Fasteners				
Engine Oil Level				
Winch (if equipped)				
<b>XU</b> Air Filter (Pre-Filter)	-	Daily	-	Inspect; clean often; replace as needed
Coolant	-	Daily	-	Check level daily, change coolant every two years
Head Lights / Tail Lights	-	Daily	-	Check operation; apply dielectric grease if replacing
Power Steering unit (If equipped)	-	Daily	-	Inspect daily, clean often

# MAINTENANCE

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CALENDAR	(KM)	
<b>XU</b>	Brake Pad Wear	10 H	Monthly	(180)	Inspect periodically
	Battery	20 H	Monthly	(320)	Check terminals; clean; test
	Fuel and EVAP System (if equipped)	20 H	Monthly	-	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion. Replace as needed
<b>XU</b>	Engine Oil Change	25 H	1 M	-	Break-in oil and filter change
	Engine Breather	25 H	1 M	(400)	Inspect; replace as needed
<b>XU</b>	Demand Drive Fluid	25 H	1 M	(400)	Break-in fluid change
<b>XU</b>	Rear Gearcase Oil	25 H	1 M	(400)	Break-in fluid level check
<b>XU</b>	Transmission Fluid	25 H	1 M	(400)	Break-in fluid level check
<b>XU</b>	General Lubrication	50 H	3 M	(800)	Lubricate all fittings, pivots, cables, etc.
	Shift Linkage	50 H	3 M	(800)	Inspect
<b>D</b>	Steering	50 H	6 M	(800)	Lubricate
<b>XU</b>	Front/Rear Suspension	50 H	6 M	(800)	Lubricate
<b>XU</b>	Throttle Release Switch (if equipped)	50 H	6 M	(800)	Inspect; adjust; lubricate; replace if necessary
	Throttle Body Intake Duct	50 H	6 M	(800)	Inspect ducts for proper sealing / air leaks
	Drive Belt	50 H	6 M	(800)	Inspect; replace as needed
<b>XU</b>	Air Filter (main element)	50 H	6 M	(800)	Inspect; replace as needed
	Cooling System	50 H	6 M	(1800)	Inspect coolant strength seasonally; pressure test system yearly
<b>XU</b>	Radiator	50 H	6 M	(1800)	Inspect; clean external surfaces
<b>XU</b>	Cooling Hoses	50 H	6 M	(1800)	Inspect for leaks
<b>XU</b>	Shocks	50 H	-	(800)	Inspect for leaks, loose joints, and wear
<b>XU</b>	Oil lines and fasteners	100 H	6 M	(1800)	Inspect for leaks and loose fittings

# MAINTENANCE

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CALENDAR	.. (KM)	
XU	Engine oil change	100 H	6 M	(1800)	Change the oil and filter
D	Fuel and EVAP System (if equipped)	100 H	12 M	(1800)	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion. Replace as needed
XU	Engine Mounts	100 H	12 M	(1800)	Inspect
	Exhaust Pipe / Silencer / Joints	100 H	12 M	(1800)	Inspect; replace worn parts
XU	Spark Plug	100 H	12 M	(1800)	Inspect; replace as needed
XU	Wiring	100 H	12 M	(1800)	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.
D	Clutches (Drive/Driven)	100 H	12 M	(1800)	Inspect; clean; replace worn parts
D	Wheel Bearings	100 H	12 M	(1800)	Inspect; replace as needed
D	Brake Fluid	200 H	24 M	(3200)	Change every two years
XU	Demand drive fluid (normal use)	200 H	24 M	(3200)	Change fluid
XU	Rear gearcase oil	200 H	24 M	(3200)	Change fluid
XU	Transmission oil	200 H	24 M	(3200)	Change fluid
XU	Valve Clearance	200 H	-	(3200)	Inspect; adjust as needed
XU D	Shocks	250 H	-	(4000)	Replace shocks
	Spark Arrestor	300 H	36 M	(4800)	Clean out; or remove clean out plug. If driving in mud, service/clean spark arrestor daily.
XU	Coolant	-	60 M	-	Replace coolant (50/50 Extended Life Coolant)
D	Toe Adjustment		-		Inspect periodically; adjust as needed
	Headlight Aim		-		Adjust as needed

## LUBRICATION GUIDE

Check and lubricate all components at the intervals outlined in the Periodic Maintenance Chart. Items not listed in the chart should be lubricated at the General Lubrication interval.

The a-arms and upper control arms are lubricated at the factory, and no additional lubrication will be needed. However, if these components are subjected to severe use, grease zerks have been provided for additional lubrication at the user's discretion.

ITEM	SUGGESTED LUBRICANT	CAPACITY AT FLUID CHANGE	FILL PLUG TORQUE	DRAIN PLUG TORQUE
Engine Oil	PS-4 5W-50 4-Cycle Oil	1.9 l	-	19-23 Nm (
Brake Fluid	DOT 4 Brake Fluid	-	-	-
Transmission Oil	AGL Gearcase Lubricant & Transmission Fluid	946 ml	27-34 Nm	27-34 Nm
Demand Drive Fluid (Front Gearcase)	Demand Drive Fluid	275 ml	11-14 Nm	15 Nm
Rear Gearcase Oil	ATV Angle Drive Fluid (or GL5 80-90 weight gear lube)	210 ml	14-19 Nm	14-19 Nm
Front Prop Shaft Yoke	U-Joint Grease			

## MAINTENANCE

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### ENGINE OIL

Always check and change the oil at the intervals outlined in the Periodic Maintenance Chart. Always use the recommended engine oil. Always change the oil filter whenever changing oil.

Pay special attention to the oil level. A rise in oil level during cold weather can indicate contaminants collecting in the oil sump or crankcase. Change oil immediately if the oil level begins to rise. Monitor the oil level, and if it continues to rise, discontinue use and determine the cause. Your dealer can assist.

#### WARNING

Quadricycle operation with insufficient, deteriorated, or contaminated engine oil will cause accelerated wear and may result in engine seizure, accident and injury.

Always perform the maintenance procedures as outlined in the Periodic

### OIL RECOMMENDATIONS

Always change the oil filter whenever changing oil.

EGIMOTORS recommends the use of EGIMOTORS PS-4 Full Synthetic 5W-50 4-cycle oil or a similar oil for this engine. Oil may need to be changed more frequently if EGIMOTORS oil is not used. Always use 5W-50 oil. Follow the manufacturer's recommendations for ambient temperature operation.

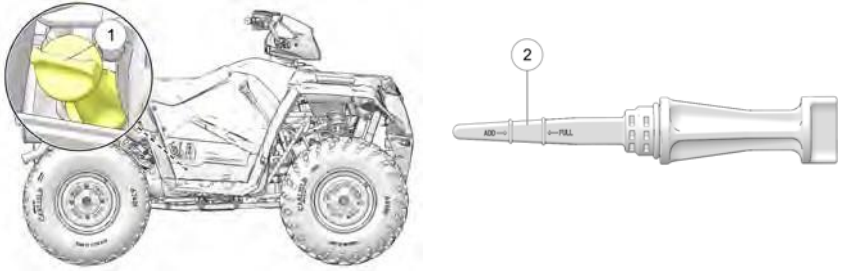
See the Lubrication Guide section for fluid recommendations, capacities and plug torques.

#### NOTICE

Mixing brands or using a non-recommended oil may cause serious engine damage. Always use the recommended oil. Never substitute or mix oil brands.

## OIL LEVEL

Access the oil dipstick ① under the oil check flap and fill tube from the right side of the ATV. A rising oil level between checks in cool weather driving can indicate contaminants such as gas or moisture collecting in the crankcase. If the oil level is over the full/safe mark, change the oil immediately.



1. Position the Quadricycle on a level surface. Place the transmission in PARK.
2. Remove the dipstick. Wipe it dry with a clean cloth.
3. Reinstall and tighten the dipstick.
4. Remove the dipstick and check the oil level.
5. Add the recommended fluid as needed. Maintain the oil level within the safe range ②. Do not overfill.
6. Reinstall and tighten the dipstick.

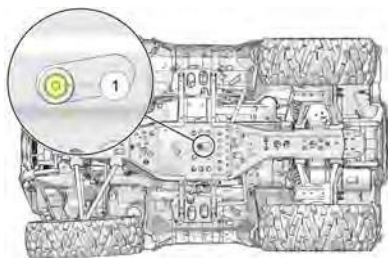
## MAINTENANCE

### OIL CHANGE

#### IMPORTANT

Always change the oil filter whenever changing oil.

See the fluid recommendation table for capacities and plug torques. Always change the oil and filter at the intervals outlined in the Periodic Maintenance Chart.



1. Position the Quadricycle on a level surface.
2. Start the engine. Allow it to warm up at idle for two to three minutes.
3. Stop the engine.
4. Clean the area around the drain plug ①.
5. Place a drain pan under the crankcase.
6. Remove the drain plug ①. Allow the oil to drain completely.

#### CAUTION

Hot oil can cause burns to skin. Do not allow hot oil to contact skin.

7. Install a new sealing washer on the drain plug. The sealing surfaces on drain plug and crankcase should be clean and free of burrs, nicks or scratches.
8. Reinstall the drain plug. Torque to specification.

#### TORQUE

(18 +/- 1.5 Nm)

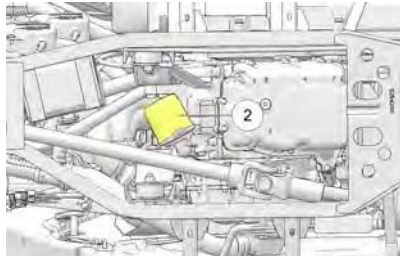


## OIL FILTER CHANGE

### IMPORTANT

Always change the oil filter whenever changing oil.

See the fluid recommendation table for capacities and plug torques. Always change the oil and filter at the intervals outlined in the Periodic Maintenance Chart.



1. Place shop towels beneath the oil filter ②. Using an oil filter wrench (available from your EGIMOTORS dealer), turn the filter counter-clockwise to remove it.
2. Using a clean dry cloth, clean the filter sealing surface on the crankcase.
3. Lubricate the o-ring on the new filter with a film of fresh engine oil. Check to make sure the o-ring is in good condition.
4. Install the new filter and rotate it clockwise by hand until the filter gasket contacts the sealing surface, then turn it an additional 3/4 turn.
5. Remove the dipstick.
6. Add the proper amount of the recommended oil. Do not overfill.
7. Reinstall the dipstick.
8. Place the transmission in PARK.
9. Lock the parking brake.
10. Start the engine. Allow it to idle for one to two minutes.
11. Stop the engine.
12. Check for leaks.
13. Check the oil level. Add oil as needed to bring the level to the upper mark on the dipstick.
14. Dispose of used filter and oil properly.

## MAINTENANCE

# TRANSMISSION OIL

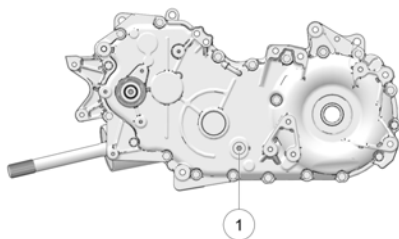
### TORQUE

**Fill Plug:** 20–25 ft lbs. (27–34 Nm)

Always check and change the transmission oil at the intervals outlined in the Periodic Maintenance Chart. See the Fluid Recommendation table for capacities and plug torques. Maintain the oil level at the bottom of the fill plug hole. The fill plug is located on the right side of the ATV behind the footwell. The drain plug is located on the bottom rear side of the gearcase.

## OIL CHECK

1. Remove the fill plug ①. Check the oil level.
2. Add the recommended fluid as needed to bring the level to the bottom of the fill hole threads.
3. Reinstall the fill plug. Torque to specification.
4. Reinstall the footwell.

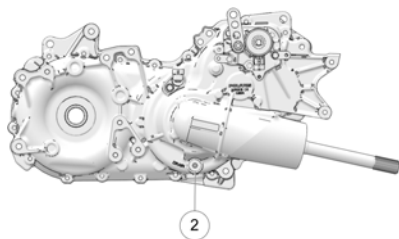


## OIL CHANGE

### TORQUE

**Drain Plug:** (27–34 Nm)

1. Place a drain pan under the gearcase. Remove the drain plug ②. Allow the oil to drain completely.
2. Clean and reinstall the drain plug. Torque to specification.
3. Remove the fill plug. Add the proper amount of the recommended oil.
4. Reinstall the fill plug. Torque to specification.
5. Check for leaks.
6. Reinstall the footwell.
7. Dispose of used oil properly.



## TRANSMISSION OIL RECOMMENDATIONS

LUBRICANT	CAPACITY	FILL PLUG TORQUE	DRAIN PLUG TORQUE
AGL Gearcase Lubricant & Transmission Fluid	940 ml	27-34 Nm	27-34 Nm

## FRONT GEARCASE (DEMAND DRIVE) FLUID

Always check and change the demand drive fluid at the intervals outlined in the Periodic Maintenance Chart.

Change the front gearcase fluid every 25 hours if the ADC unit is exposed to extreme use. Extreme use includes any of the following:

- operation in ADC mode for prolonged periods
- constant ADC operation on hilly or mountainous terrain
- ADC is the primary mode of all-wheel-drive operation

### TIP

If the front gearcase makes excessive noise during ADC operation, change the demand drive fluid. If the noise continues, please see your EGIMOTORS dealer or other qualified service facility for service.

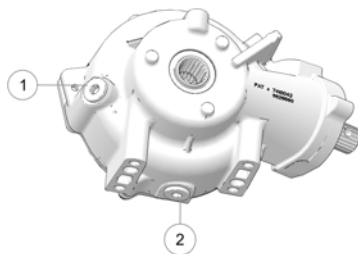
Use the recommended fluid. Use of other fluids may result in improper operation of components. Maintain the fluid level at the bottom of the fill hole threads. The fill plug is located on the right side of the demand drive unit. The drain plug is located on the bottom right side of the unit.

## FLUID CHECK

### TORQUE

**Fill Plug:** (11–14 Nm)

1. Position the Quadricycle on a level surface. Remove the fill plug ①. Check the fluid level.
2. Add the recommended fluid as needed to bring the level to the bottom of the fill hole threads.
3. Reinstall the fill plug. Torque to specification.



## MAINTENANCE

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### FLUID CHANGE

#### TORQUE

**Drain Plug: (15 Nm)**

1. Position the Quadricycle on a level surface. Remove the fill plug.
2. Place a drain pan under the demand drive unit. Remove the drain plug  
②. Allow the fluid to drain completely.
3. Clean and reinstall the drain plug. Torque to specification.
4. Add the proper amount of the recommended fluid.
5. Reinstall the fill plug. Torque to specification.
6. Check for leaks. Dispose of used fluid properly.

### COOLING SYSTEM

The engine coolant level is controlled, or maintained, by the recovery system. The recovery system components are the recovery bottle, the radiator filler neck, the radiator pressure cap and the connecting hose.

As coolant operating temperature increases, the expanding (heated) excess coolant is forced out of the engine, past the pressure cap, and into the recovery bottle. As engine coolant temperature decreases the contracting (cooled) coolant is drawn back up from the bottle, past the pressure cap, and into the radiator.

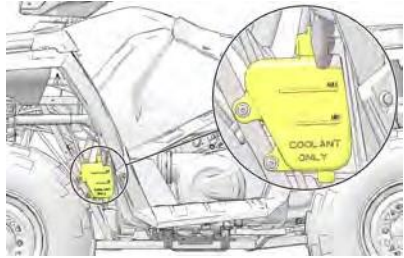
Some coolant level drop on new Quadricycles is normal as the system is purging itself of trapped air. Check the coolant level and maintain as recommended by adding coolant to the recovery bottle.

EGIMOTORS recommends the use of POLARIS Antifreeze 50/50 Premix. This antifreeze is already premixed and ready to use. Do not dilute with water..

## RECOVERY BOTTLE COOLANT

The recovery bottle ① is located on the left side of the Quadricycle.

1. Remove the left side panel. See the Side Panel Removal section.
2. Maintain the coolant level between the minimum and maximum marks on the bottle (when the fluid is cool).
3. Add coolant as needed.



## RADIATOR COOLANT

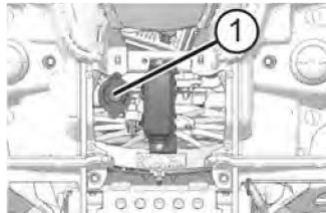
To ensure that the coolant maintains its ability to protect the engine, we recommend that the system be completely drained every five (5) years and fresh Antifreeze 50/50 Premix added.

Any time the cooling system has been drained for maintenance or repair, replace the coolant with fresh Antifreeze 50/50 Premix. If the recovery bottle has run dry, check the level in the radiator. Add coolant as needed.

### CAUTION

Escaping steam can cause burns. Never remove the pressure cap while the engine is warm or hot. Always allow the engine to cool before removing the pressure cap.

1. Open the front box cover.
2. Remove the access panel screws. Squeeze the outer edges of the panel inward to remove the panel.
3. Remove the pressure cap ①.



4. Using a funnel, slowly add coolant through the radiator filler neck.

## MAINTENANCE

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5. Reinstall the pressure cap. Use of a non-standard pressure cap will not allow the recovery system to function properly. Contact your dealer for the correct replacement part.
6. Reinstall the access panel and secure the front box cover.

## BRAKES

### HAND BRAKE

The front and rear brakes are hydraulic disc brakes, activated by moving the single brake lever toward the handlebar. These brakes are self-adjusting.

Under normal operation, the diaphragm extends into the reservoir as fluid level drops. If the fluid level is low and the diaphragm is not extended, a leak is likely and the diaphragm should be replaced. To ensure proper diaphragm operation, always fill the reservoir as needed whenever the cover is loosened or removed. Do not overfill.

 **WARNING**

An over-full master cylinder may cause brake drag or brake lock-up, which could result in serious injury or death. Maintain brake fluid at the recommended level. Do not overfill.

### AUXILIARY FOOT BRAKE ADJUSTMENT

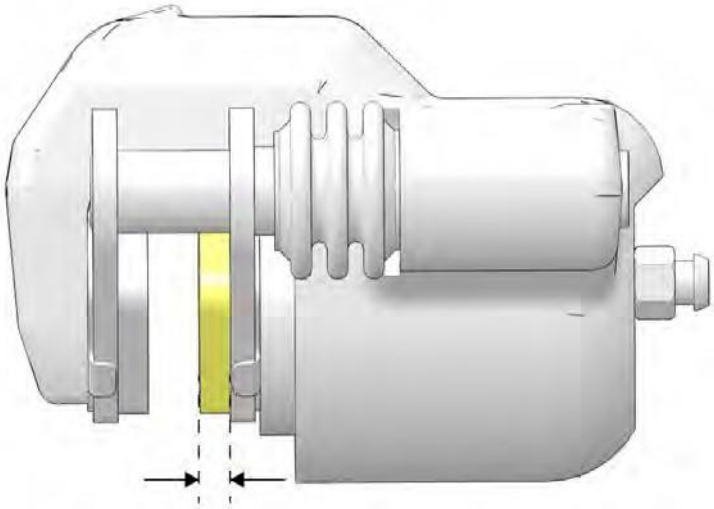
The hydraulic auxiliary brake system requires no adjustment. Check the brake fluid level frequently for the auxiliary brake system. See the Auxiliary Foot Brake section for details.

## BRAKE INSPECTION

The front and rear brakes are hydraulic disc brakes, activated by applying the foot brake. The handlebar brake is also hydraulic. Both brake systems are self-adjusting.

Perform the following checks to keep the brake systems in good operating condition. Check more often if brakes are used heavily under normal operation.

1. Always keep brake fluid at an adequate level.
2. Check the brake systems regularly for fluid leaks.
3. Check the brakes for excessive travel or spongy feel.
4. Check the friction pads for wear, damage, and looseness. Replace the pads when the friction material is worn to 0.762 mm.



5. Check the security and surface condition of the disc. Clean any grease using a recommended brake cleaner or alcohol. Do not use spray lubricants or other petroleum-based products. If you discover any damage (cracks, excessive corrosion, warping) see your dealer for service before operating.

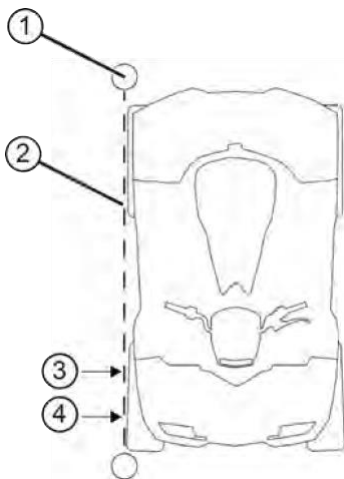
### TOE ALIGNMENT

#### WARNING

Severe injury or death can result from improper toe alignment and adjustment. Do not attempt to adjust tie rod alignment. All tie rod adjustments should be performed by an authorized EGIMOTORS dealer or other qualified service facility.

Use the following procedure to check the toe alignment of the Quadricycle. The recommended toe alignment is 6-12 mm (1/4-1/2 inch) .

1. Position the Quadricycle on a level surface.
2. Place the handlebars in a straight-ahead position.
3. Tie a length of string ② between two stands ① as shown in the illustration. Position the stands so that the string is flush with the side of the rear tire. If available, you may use a long straight-edge instead of string.
4. Measure the distance from the string to the rim at the front ④ and rear ③ of the front rim. The rear measurement should be 3–6 mm (1/8–1/4 inch) more than the front measurement on each side of the Quadricycle to obtain the recommended 6–12 mm (1/4–1/2 inch) toe out alignment.



5. Repeat the measurement procedure on the other side of the Quadricycle.
6. If you discover improper alignment, see your dealer for service.



### POWER STEERING UNIT

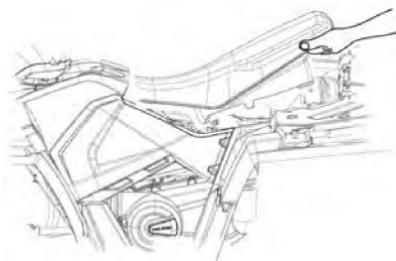
If your model is equipped with power steering, frequently clean the areas around and on the power steering unit to allow proper cooling. Clean these areas thoroughly.

### STEERING ASSEMBLY

The steering assembly of the ATV should be checked periodically for loose nuts and bolts. If loose nuts and bolts are found, see your authorized dealer or other qualified service facility before operating the Quadricycle.

### SEAT REMOVAL

1. Grasp one side of the seat near the rear edge.
2. Pull upward abruptly to disengage the under-seat fasteners.
3. Remove the seat.



### SIDE PANEL REMOVAL

1. Remove the seat.
2. Use a flat screwdriver to remove the plastic rivets securing the side panel.
3. Grasp the rear of the side panel near the rear cab. With a firm motion, pull the side panel outward to disengage the side panel from the grommets.
4. Pull the panel outward and rearward to remove it.

### FOOTWELL REMOVAL (1-UP MODELS)

1. Remove the four screws on the bottom of the footwell.
2. Use a flat screwdriver to remove the plastic rivets securing the footwell to the fenders.
3. Remove the footwell.

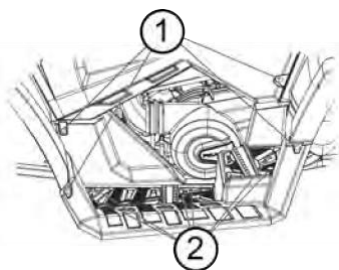
## MAINTENANCE

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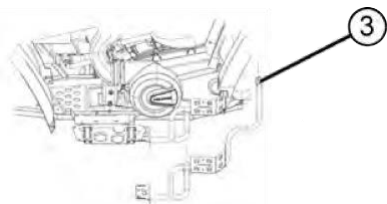
### FOOTWELL / FOOTWELL SUPPORT REMOVAL

To remove the footwell, do the following:

1. Remove the six screws on the bottom of the footwell.
2. Use a flat screwdriver to remove the plastic rivets securing the footwell to the fenders.
3. Remove the footwell.
4. If removing the footwell support is necessary to access the clutch cover, remove the hex flange screw securing the support to the frame.



- ① Plastic Rivets (4)
- ② Torx Head Screws (6)
- ③ Hex Flange Screw



## TIRES

### WARNING

Operating your ATV with worn tires, improperly inflated tires, non-standard tires or improperly installed tires will affect Quadricycle handling and could cause an accident resulting in serious injury or death. Always follow all tire maintenance procedures as outlined in this manual and on the labels on the Quadricycle. Always use original equipment size and type when replacing tires.

Refer to the specifications section for recommended tire type, size and pressure.

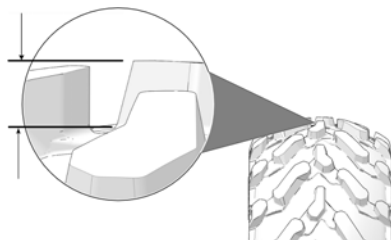
## TIRE AGING

### WARNING

Tires age, even if they are unused or only used occasionally. Evidence of ageing may appear as cracks in the treads or sidewall rubber, sometimes accompanied by carcass deformation. Old tires should be checked by tire specialists to determine their suitability for further use.

## TIRE TREAD DEPTH

Always replace tires when tread depth is worn to 3 mm (1/8") or less.



## FRONT WHEEL HUB TIGHTENING

Front wheel bearing tightness and spindle nut retention are critical component operations. All service must be performed by your authorized dealer or other qualified service facility.

## MAINTENANCE

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### WHEEL REMOVAL

1. Stop the engine.
2. Place the transmission in PARK.
3. Lock the parking brake.
4. Loosen the wheel nuts slightly.

 **WARNING**

Do not service axle nuts that have a cotter pin installed. Your authorized dealer can assist.

5. Elevate the side of the Quadricycle by placing a suitable stand under the foot rest frame.
6. Remove the wheel nuts.
7. Remove the wheel.

### WHEEL INSTALLATION



1. Place the transmission in PARK.
2. Lock the parking brake.
3. Place the wheel on the hub with the valve stem toward the outside and rotation arrows on the tire pointing toward forward rotation (if equipped).
4. Install the wheel nuts and finger-tighten them.
5. Lower the Quadricycle to the ground.
6. Torque the wheel nuts to specification.

 **WARNING**

Loose nuts could cause a tire to come off during operation, which could result in an accident or overturn. Always ensure that all nuts are torqued to specification.

## WHEEL NUT TORQUE SPECIFICATIONS

Check the wheel nut torques occasionally and when they've been loosened for service.

NUT TYPE		
Lug Nut (Aluminum Wheels)		41 Nm PLUS 1/4 TURN or 90 degrees
2-Piece Flange Nut (Steel Wheels)		37 Nm

## MAINTENANCE

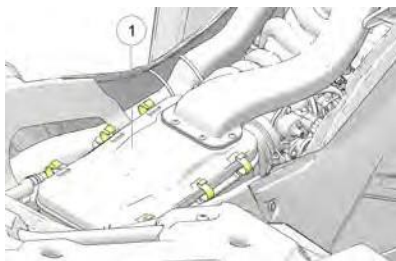
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### AIR FILTER

1. Remove the seat. Remove the air box cover clips. Remove the air box cover ①.

2. Remove the filter.

3. Remove the fabric type pre-filter from the main filter. Wash the pre-filter in soapy water, then rinse and let dry.



4. Reinstall the pre-filter over the main filter. Install a new main filter if needed.

5. Reinstall the filter into the air box.

6. Reinstall the air box cover and the seat.

### BREATHER VALVE/HOSE

The breather valve is on the hose that runs between the engine and air box.

1. Remove the left side panel.

2. Remove the hose clamps from the valve and pull the valve out of the hoses.

3. Inspect the valve for debris. Blow gently through the valve to check for clogging. Replace a damaged or clogged valve.

4. Check the hoses for cracks, deterioration, abrasion, or leaks. Replace as needed.

5. Reinstall the valve and hose clamps.

#### NOTICE

Operation of your Quadricycle without a breather valve can cause engine damage.

Always reinstall the breather valve after removing it for service.



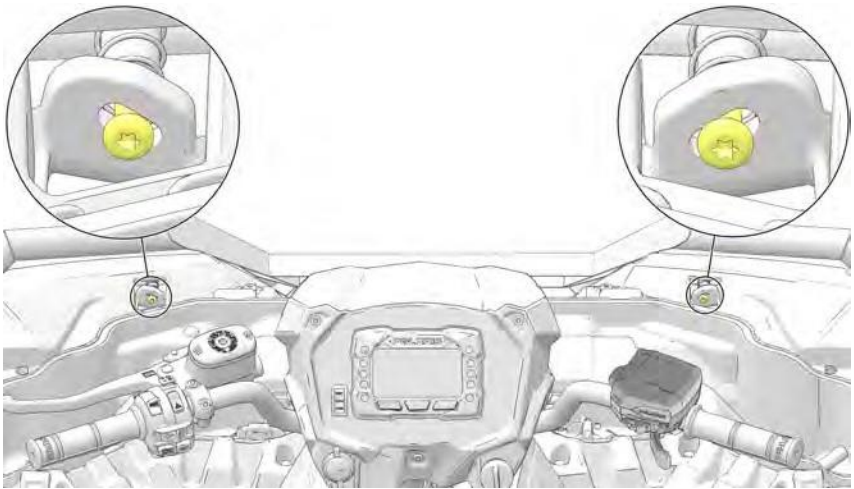
### LIGHTS

 CAUTION

Poor lighting can result in reduced visibility when driving. Headlight and taillight lenses become dirty during normal operation. Clean headlights frequently and replace burned out headlamps promptly.

Always make sure lights are adjusted properly for best visibility.





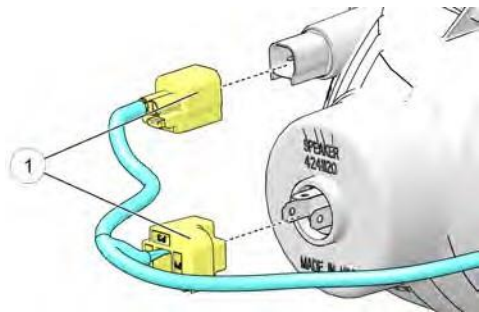
**⚠ WARNING**

Due to the nature of ATVs and where they are operated, headlight lenses can become dirty. Frequent washing is necessary to maintain lighting quality. Riding with poor lighting can result in severe injury or death.

## HEADLIGHT BULB REPLACEMENT

To replace the headlight bulb, do the following:

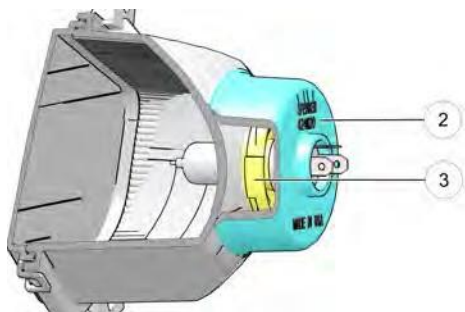
1. Disconnect the headlight harness ① and pull the harness away from the headlight assembly. Be sure to pull on the connector, not on the wiring.
2. Remove the rubber cap ② from the back of the housing.
3. Turn the plastic collar ③ counterclockwise to access the bulb.



## MAINTENANCE

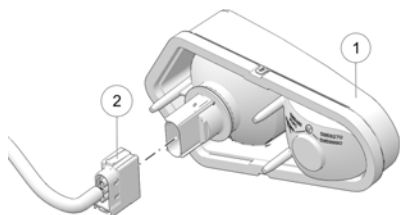
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4. Remove the bulb and replace with a new bulb.
5. Re-attach plastic collar and turn clockwise to secure.
6. Install the rubber cap and re-connect the harness to the headlight assembly.



## TAILLIGHT / BRAKELIGHT LAMP REPLACEMENT

1. Remove the harness connector ② from the back of the light assembly ①.
2. Turn the lamp counter-clockwise to remove it.
3. Apply dielectric grease to the socket and install the new lamp.
4. Reinstall the harness connector ②.
5. Test the light for proper operation.



## SPARK PLUGS

### SPARK PLUG RECOMMENDATIONS

Refer to the Specifications section for the recommended spark plug type and gap for your Quadricycle.

#### NOTICE

Using non-recommended spark plugs can result in serious engine damage.  
Always use EGIMOTORS-recommended spark plugs.

PLUG CONDITION	TORQUE SPECIFICATION
New Spark Plug	12 Nm
Previously Installed Spark Plug	12 Nm

### SPARK PLUG INSPECTION

Spark plug condition is indicative of engine operation. Check the spark plug firing end condition after the engine has been warmed up and the Quadricycle has been driven at higher speeds. Immediately check the spark plugs for correct color.

#### CAUTION

A hot exhaust system and engine can cause burns. Wear protective gloves when removing a spark plug for inspection.

## MAINTENANCE

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1. Rotate the spark plug cap 1/4 turn and pull it off the spark plug.
2. Rotate the spark plug counter-clockwise to remove it.
3. Reverse the procedure for spark plug installation. Torque to specification.

### **NORMAL SPARK PLUG**

The normal insulator tip is gray, tan or light brown. There will be few combustion deposits. The electrodes are not burned or eroded. This indicates the proper type and heat range for the engine and the service.

The tip should not be flaky and white. A white insulator tip indicates overheating, caused by use of an improper spark plug or incorrect fuel.

### **WET FOULED SPARK PLUG**

The wet fouled insulator tip is black. A damp oil film covers the firing end. There may be a carbon layer over the entire nose. Generally, the electrodes are not worn. General causes of fouling are excessive oil, use of non-recommended oil or incorrect throttle body adjustments.

### **QUADRICYCLE IMMERSION**

If your Quadricycle becomes immersed, major engine damage can result if the machine is not thoroughly inspected. Take the Quadricycle to your dealer before starting the engine. If it's impossible to take your ATV to a dealer before starting it, follow the steps outlined below.

1. Move the ATV to dry land or at the very least, to water below the footrests.
2. Check the air box. If water is present, dry the air box and replace the filter with a new filter.
3. Remove the spark plug.
4. Turn the engine over several times using the electric start.
5. Dry the spark plug. Reinstall the plug or install a new plug.
6. Attempt to start the engine. If necessary, repeat the drying procedure.
7. Take the ATV to your dealer for service as soon as possible, whether you succeed in starting it or not.
8. If water has been ingested into the PVT, follow the procedure for drying out the PVT in the PVT Drying section.

## SPARK ARRESTER

### WARNING

Do not perform clean out immediately after the engine has been run, as the exhaust system becomes very hot. Serious burns could result from contact with exhaust components.

To reduce fire hazard, make sure that there are no combustible materials in the area when purging the spark arrester.

Wear eye protection.

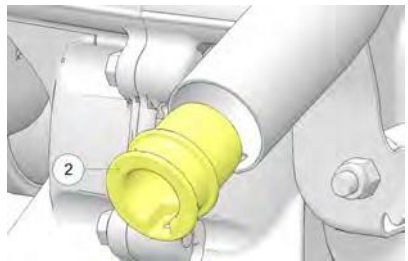
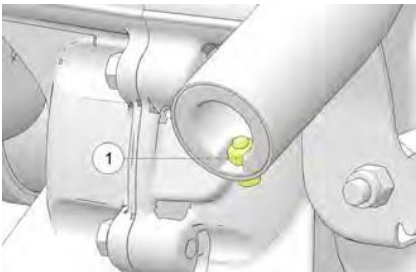
Do not stand behind or in front of the Quadricycle while purging the carbon from the spark arrester.

Never run the engine in an enclosed area. Exhaust contains poisonous carbon monoxide gas.

Do not go under the machine while it is inclined. Set the hand brake and block the wheels to prevent roll back.

Failure to heed these warnings could result in serious personal injury or death.

The exhaust pipe must be periodically purged of accumulated carbon as follows:



## MAINTENANCE

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Periodically clean the spark arrester to remove accumulated carbon.

1. Place the transmission in PARK.
2. Remove the arrester retaining bolt and nut ①.
3. Remove the arrester from the end of the muffler ②.
4. Use non-synthetic brush to clean the arrester screen. A synthetic brush may melt if the components are warm. If necessary, blow debris from the screen with compressed air.
5. Inspect the screen for wear and damage. Replace a worn or damaged screen.
6. Reinstall the arrester.
7. Torque the bolt to specification.

### TORQUE

(10–12 Nm)

## PVT SYSTEM

### WARNING

Failure to comply with the instructions in this warning can result in severe injury or death.

Do not modify any component of the PVT system. Doing so may reduce its strength so that a failure may occur at a high speed. The PVT system has been precision balanced. Any modification will cause the system to be out of balance, creating vibration and additional loads on components.

The PVT system rotates at high speeds, creating large amounts of force on clutch components. Extensive engineering and testing has been conducted to ensure the safety of this product. However, as the owner, you have the following responsibilities to make sure this system remains safe:

- Always follow all recommended maintenance procedures. Always look for and remove debris inside and around the clutch and vent system when replacing the belt.
- See your dealer as outlined in the owner's manual.
- This PVT system is intended for use on EGIMOTORS products only. Do not install it in any other product.
- Always make sure the PVT housing is securely in place during operation.

The basic operation of the POLARIS PVT system is dependent on engine speed and Quadricycle torque requirements. As engine speed increases, the force exerted on the movable drive sheave by the flyweights also increases. This, in turn, increases the amount of pinch applied to the drive belt. Similarly, if the engine speed decreases, the amount of centrifugal force decreases, reducing the amount of belt pinch.

The approximate gear ratio difference between high and low range is 1:2.25. This difference in gearing affects the operation of the PVT, especially at speeds less than (11 km/h), due to the system's dependence on engine speed.

For example, when operating at a ground speed of (5 km/h) in low range, the engine speed would be around 3000 RPM. This is well above the engagement speed of 1800 - 1800 RPM. However, in high range at (5 km/h), the engine would be running at only 1500 RPM. Whenever operating this close to the engagement speed, the engine may be running at a speed too low to provide the pinch needed to prevent belt slip. Belt slip is responsible for creating the excessive heat that destroys belts, wears clutch components and causes outer clutch covers to fail.

The air temperature in the clutch cover is substantially reduced by using low range while operating at low ground speeds. Reducing the temperature inside the clutch cover greatly extends the life of the PVT components (belt, cover, etc.).

### WHEN TO USE LOW AND HIGH RANGE

CONDITION	RANGE TO USE
Operating at speeds less than 11 km/h	Low
Towing heavy loads	Low
Operating in rough terrain (swamps, mountains, etc.)	Low
Operating at speeds greater than 11 km/h	High

## MAINTENANCE

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### **PVT DRYING**

There may be some instances when water is accidentally ingested into the PVT system. Use the following instructions to dry it out before operating.

1. Position the Quadricycle on a level surface.
2. Remove the drain plug. Allow the water to drain completely. Reinstall the drain plug.
3. Start the engine. Place the transmission in PARK.
4. Apply varying throttle for 10-15 seconds to expel the moisture and air-dry the belt and clutches. Do not hold the throttle wide open for more than 5 seconds.
5. Allow the engine RPM to settle to idle speed, then shift the transmission to low range.
6. Test for belt slippage. If the belt slips, repeat the process. Your Quadricycle requires service as soon as possible, which your authorized dealer can provide.



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**BATTERY** **WARNING**

Improperly connecting or disconnecting battery cables can result in an explosion and cause serious injury or death. When removing the battery, always disconnect the negative (black) cable first. When reinstalling the battery, always connect the negative (black) cable last.

 **WARNING**

Battery electrolyte is poisonous. It contains sulfuric acid. Serious burns can result from contact with skin, eyes or clothing.

Antidote:

**External:** Flush with water.

**Internal:** Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call physician immediately.

**Eyes:** Flush with water for 15 minutes and get prompt medical attention.

Batteries produce explosive gases. Keep sparks, flame, cigarettes, etc. away. Ventilate when charging or using in an enclosed space. Always shield eyes when working near batteries. **KEEP OUT OF REACH OF CHILDREN.**

Your Quadricycle may have either a sealed battery, which requires little maintenance, or a conventional battery. A sealed battery can be identified by its flat covers on the top of the battery. A conventional battery has six filler caps on the top of the battery.

Always keep battery terminals and connections free of corrosion. If cleaning is necessary, remove corrosion with a stiff wire brush. Wash with a solution of one tablespoon baking soda and one cup water. Rinse well with tap water and dry off with clean shop towels. Coat the terminals with dielectric grease or petroleum jelly. Be careful not to allow cleaning solution or tap water into a conventional battery.

## MAINTENANCE

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### BATTERY INSTALLATION

Using a new battery that has not been fully charged can damage the battery and result in a shorter life. It can also hinder Quadricycle performance. Follow the battery charging instructions in the Battery Charging sections before installing the battery.

An optional extreme use battery may be available for your model. If the performance of the factory-installed battery is inadequate due to operation in extreme cold or due to extended use of multiple electrical accessories, please see your EGIMOTORS dealer. Ask your dealer to provide any installation procedures that may differ for an extreme use battery.

 **WARNING**

Battery gases could accumulate in an improperly installed vent tube and cause an explosion, resulting in serious injury or death. Always ensure that the vent tube is free of obstructions and is securely installed as recommended.

1. Ensure that the battery is fully charged.
2. Place the battery in the battery holder.
3. With conventional batteries, install the battery vent tube (sealed batteries do not have a vent tube). The vent tube must be free of obstructions and securely installed. Route the tube away from the frame and Quadricycle body to prevent contact with electrolyte.
4. On conventional batteries, coat the terminals with dielectric grease or petroleum jelly.
5. Connect and tighten the red (positive) cable first.
6. Connect and tighten the black (negative) cable last.
7. Install the battery cover (if equipped).
8. Secure the battery hold-down strap.
9. Verify that cables are properly routed. Cables should be safely tucked away at the front and rear of the battery.

## BATTERY REMOVAL

### NOTICE

If electrolyte spills, immediately wash it off with a solution of one tablespoon baking soda and one cup water to prevent damage to the Quadricycle.

1. Disconnect the battery hold-down strap.
2. Remove the battery cover (if equipped).
3. On conventional batteries, remove the battery vent tube.
4. Disconnect the black (negative) battery cable first.
5. Disconnect the red (positive) battery cable last.
6. Lift the battery out of the ATV. Be careful not to tip a conventional battery sideways, which could spill electrolyte.

## BATTERY STORAGE

Whenever the Quadricycle is not used for a period of three months or more, remove the battery from the Quadricycle, ensure that it's fully charged, and store it out of the sun in a cool, dry place. Check battery voltage each month during storage and recharge as needed to maintain a full charge.

EGIMOTORS recommends maintaining battery charge by using a EGIMOTORS Battery Tender charger or by charging once a month using the battery tender port ①. Battery Tender can be left connected during the storage period, and will automatically charge the battery if the voltage drops below a pre-determined point. See the Egimotors Products section for the part numbers.



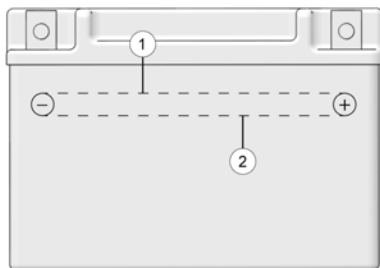
## MAINTENANCE

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### BATTERY FLUID (CONVENTIONAL BATTERY)

A poorly maintained battery will deteriorate rapidly. Check the battery fluid level often. Maintain the fluid level between the upper ① and lower level ② marks.

Add only distilled water. Tap water contains minerals that are harmful to a battery.



### BATTERY CHARGING (CONVENTIONAL BATTERY)

1. Remove the battery from the Quadricycle to prevent damage from leaking or spilled electrolyte during charging.
2. Charge the battery with a charging output no larger than 1/10 of the battery's amp/hr rating. Charge as needed to raise the specific gravity to 1.270 or greater.
3. Reinstall the battery. Make sure the positive terminal is toward the front of the Quadricycle.

### BATTERY CHARGING (SEALED BATTERY)

The following battery charging instructions apply only to the installation of a sealed battery. Read all instructions before proceeding with the installation of this battery.

The sealed battery is already filled with electrolyte and has been sealed and fully charged at the factory. Never pry the sealing strip off or add any other fluid to this battery.

The single most important thing about maintaining a sealed battery is to keep it fully charged. Since the battery is sealed and the sealing strip cannot be removed, you must use a voltmeter or multimeter to measure DC voltage.

#### WARNING

An overheated battery may explode, causing severe injury or death. Always watch charging times carefully. Stop charging if the battery becomes very warm to the touch. Allow it to cool before resuming charging.

For a refresh charge, follow all instructions carefully.

1. Check the battery voltage with a voltmeter or multimeter. A fully charged battery will register 12.8 V or higher.
2. If the voltage is less than 12.8 volts, recharge the battery at 1.2 amps or less until battery voltage is 12.8 or greater.

**TIP**

When using an automatic charger, refer to the charger manufacturer's instructions for recharging. When using a constant current charger, use the guidelines below for recharging.

Always verify battery condition before and 1-2 hours after the end of charging.

STATE OF CHARGE	VOLTAGE	ACTION	CHARGE TIME*
100%	12.8-13.0 volts	None, check at 3 mos. from date of manufacture	None required
75%-100%	12.5-12.8 volts	May need slight charge, if no charge given, check in 3 months	3-6 hours
50%-75%	12.0-12.5 volts	Needs charge	5-11 hours
25%-50%	11.5-12.0 volts	Needs charge	At least 13 hours, verify state of charge
0%-25%	11.5 volts or less	Needs charge with desulfating charger	At least 20 hours

\*(Using constant current charger @ standard amps specified on top of battery)

## CAMBER AND CASTER

The camber and caster are non-adjustable.

## FRONT SPRING

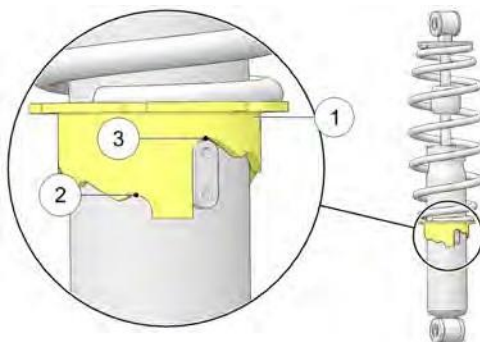
The front shock absorber spring is non-adjustable.

## MAINTENANCE

### REAR SPRING

The rear shock absorber spring is adjusted by rotating the cam either clockwise or counter-clockwise to increase or decrease spring tension.

- ① Cam
- ② High Tension
- ③ Low Tension



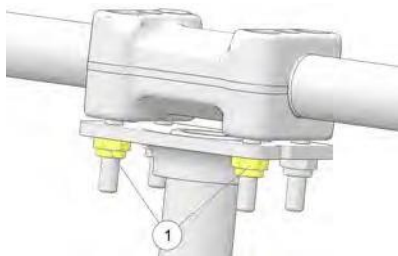
### HANDLEBARS

The handlebars can be adjusted for rider preference.

#### WARNING

Improper adjustment of the handlebars or incorrect torquing of the adjuster block tightening bolts can cause limited steering or loosening of the handlebars, resulting in loss of control and serious injury or death. Follow the adjustment procedures exactly, or see your authorized dealer for service.

1. Remove the upper headlight pod (if equipped).
2. Loosen the four handlebar bolts.
3. Adjust the handlebar to the desired height. Be sure the handlebars do not contact the gas tank or any other part of the machine when turned fully to the left or right.
4. Torque the front two bolts to 14-17 Nm, then torque the rear two bolts. A gap of up to 3 mm will remain at the rear of the clamp blocks.



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## CLEANING AND STORAGE

### WASHING THE QUADRICYCLE

Keeping your EGIMOTORS Quadricycle clean will not only improve its appearance but it can also extend the life of various components.

#### NOTICE

High water pressure may damage components. EGIMOTORS recommends washing the Quadricycle by hand or with a garden hose, using mild soap. Certain products, including insect repellents and chemicals, will damage plastic surfaces. Do not allow these types of products to contact the Quadricycle.

The best and safest way to clean your EGIMOTORS Quadricycle is with a garden hose and a pail of mild soap and water.

1. Use a professional-type washing cloth, cleaning the upper body first and the lower parts last.
2. Rinse with clean water frequently.
3. Dry surfaces with a chamois to prevent water spots.

### WASHING TIPS

- Avoid the use of harsh cleaners, which can scratch the finish.
- Do not use a power washer to clean the Quadricycle.
- Do not use medium to heavy duty compounds on the finish.
- Always use clean cloths and pads for cleaning and polishing. Old or reused cloths and pads may contain dirt particles that will scratch the finish.

If a high pressure water system is used for cleaning (not recommended), exercise extreme caution. The water may damage components and could remove paint and decals. Avoid directing the water stream at the following items:

- Wheel bearings
- Radiator
- Transmission seals
- Cab and body panels
- Electrical components
- Switches and controls
- Fuel system components
- Labels and decals

## MAINTENANCE

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If an informational or graphic label becomes illegible or comes off, contact your EGIMOTORS dealer to purchase a replacement. Replacement *safety* labels are provided by EGIMOTORS at no charge.

Grease all zerk fittings immediately after washing. Allow the engine to run for a while to evaporate any water that may have entered the engine or exhaust system.

### **POLISHING THE QUADRICYCLE**

EGIMOTORS recommends the use of common household aerosol furniture polish for polishing the finish on your EGIMOTORS Quadricycle. Follow the instructions on the container.

#### ***POLISHING TIPS***

- Avoid the use of automotive products, some of which can scratch the finish of your Quadricycle.
- Always use clean cloths and pads for cleaning and polishing. Old or reused cloths and pads may contain dirt particles that will scratch the finish.

### **CHROME WHEEL CARE (IF EQUIPPED)**

Proper maintenance will protect chrome wheels from corrosion, preserve wheel life and ensure a "like new" appearance for many years. Chrome wheels exposed to road salt (or salt in the air in coastal areas) are more susceptible to corrosion if not properly cleaned. Clean chrome wheels more often if they're exposed to salt or other corrosive elements.

1. Wash chrome wheels frequently. Use a mild detergent. Never use abrasive cleaners on plated or painted surfaces.
2. Rinse well with clear water. Soap, detergents, salt, dirt, mud, and other elements can cause corrosion.
3. Polish the clean chrome wheels periodically. Use an automotive grade chrome polish.
4. Routinely and liberally apply a weather resistant wax to each polished chrome wheel. Choose a product suitable for chrome finishes. Read and follow the product labels and instructions.

#### ***REMOVING CORROSION***

If light rust is found on the chrome finish, use steel wool (#0000-OTT grade) to remove it. Gently rub the affected areas with the steel wool until the corrosion has been removed. Clean and polish the wheel as outlined above.



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## STORAGE TIPS

### NOTICE

Starting the engine during the storage period will disturb the protective film created by fogging and damage could occur. Never start the engine during the storage period.

## CLEAN THE EXTERIOR

Make any necessary repairs and clean the Quadricycle as recommended. See the Washing the Quadricycle section.

## STABILIZE THE FUEL

1. Fill the fuel tank.
2. Add EGIMOTORS Carbon Clean Fuel Treatment or EGIMOTORS Fuel Stabilizer or equivalent fuel treatments or stabilizers. Follow the instructions on the container for the recommended amount. Carbon Clean removes water from fuel systems, stabilizes fuel and removes carbon deposits from pistons, rings, valves and exhaust systems.
3. Allow the engine to run for 15-20 minutes to allow the stabilizer to disperse through the entire fuel delivery system.

## OIL AND FILTER

Change the oil and filter. See the Engine Oil section.

## AIR FILTER / AIR BOX

1. Inspect and clean (or replace) the pre-cleaner and air filter. See the Air Filter section.
2. Clean the air box.

## FLUID LEVELS

Inspect the fluid levels. Add or change fluids as recommended in the Periodic Maintenance Chart.

- Demand drive fluid (front gearcase)
- Rear gearcase fluid (if equipped)
- Transmission fluid
- Brake fluid (change every two years and any time the fluid looks dark or contaminated)
- Coolant (test strength/fill)

## MAINTENANCE

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### **FOG THE ENGINE**

1. Treat the fuel system with EGIMOTORS Carbon Clean or other equivalent fuel treatment. Follow the instructions on the container. Start the engine. Allow it to idle for several minutes so the Carbon Clean reaches the injectors. Stop the engine.
2. Remove the spark plugs and add 1–1.5 oz. (29.5–44 cc.) of engine oil. To access the plug holes, use a section of clear 6 mm (1/4") hose and a small plastic squeeze bottle filled with the pre-measured amount of oil. *Do this carefully! If you miss the plug holes, oil will drain from the spark plug cavities into the hole at the front of the cylinder head, and appear to be an oil leak.*
3. Reinstall the spark plugs. Torque to specification.
4. Apply dielectric grease to the inside of each spark plug cap. *Do not reinstall the cap onto the plug at this step.*
5. Turn the engine over several times. Oil will be forced in and around the piston rings and ring lands, coating the cylinder with a protective film of fresh oil.
6. Reinstall the spark plug caps.
7. If EGIMOTORS fuel system additive is not used, fuel tank, fuel lines, and injectors should be completely drained of gasoline.

### **INSPECT AND LUBRICATE**

Inspect all cables and lubricate all areas of the Quadricycle as recommended in the Periodic Maintenance Chart.

### **BATTERY MAINTENANCE**

Remove the battery and recharge it as outlined in the Battery Charging section. Store the battery in a cool, dry place.

### **STORAGE AREA / COVERS**

Set the tire pressure and safely support the Quadricycle with the tires slightly off the ground. Be sure the storage area is well ventilated. Cover the Quadricycle with a genuine EGIMOTORS cover. Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation, and may promote corrosion and oxidation.

### **ACCESSORIES**

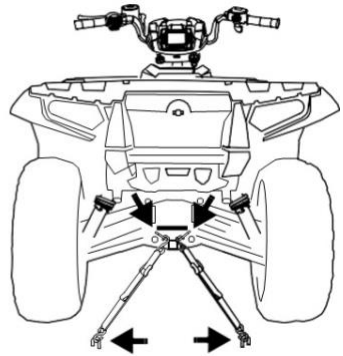
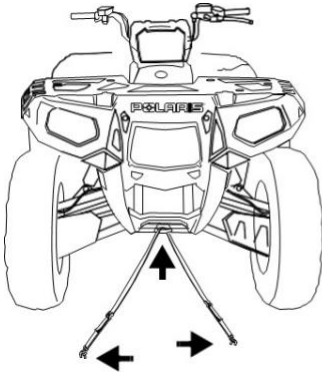
Auxiliary power outlets provide 12-volt power for operating accessories. Accessory outlets are available for all models. EGIMOTORS also has a wide range of additional accessories available for your ATV. Always install accessories that are approved for ATV use. Your dealer can assist.



# TRANSPORTING THE ATV

Follow these procedures when transporting the Quadricycle.

1. Stop the engine.
2. Place the transmission in PARK.
3. Lock the parking brake.
4. Secure the fuel cap, oil cap and seats.
5. Always tie the frame of the ATV to the transporting unit securely with suitable straps or rope. Do not attach tie straps to the front A-arm bolt pockets, racks or handlebars.
6. Remove the key to prevent loss during transporting.



# SPECIFICATIONS

## SPORTSMAN TOURING 570

Maximum Weight Capacity	220 kg (includes operator, passenger, cargo, accessories)
Dry Weight Estimated	332 kg
Fuel Capacity	25,5 l
Engine Oil Capacity	1.9 l
Transmission Oil Capacity	948 ml
Demand Drive Fluid Capacity	265 ml
Coolant Capacity	2.5 l
Front Rack/Box Capacity	40 kg
Rear Rack/Box Capacity	80 kg
Overall Length/Width/Height	218 cm / 121 cm / 140 cm
Wheelbase	142 cm
Ground Clearance	30 cm
Minimum Turning Radius	165 cm unloaded
Engine	Dual overhead cam, 4 valve 4 stroke single cylinder
Displacement	567 cc
Bore x Stroke	99mm x 73.6mm
Alternator Output	660 W @ 7000 RPM
Compression Ratio	10:1
Starting System	Electric
Fuel System	Electronic Fuel Injection
Ignition System	ECU

## SPECIFICATIONS

Spark Plug / Gap	MR7F / 0.7-0.8 mm
Lubrication System	Wet Sump
Driving System Type	Automatic PVT (POLARIS Variable Transmission)
Front Suspension	MacPherson RIDE® strut with 21 cm travel
Rear Suspension	Progressive rate with 24 cm travel
Shift Type	H/L/N/R/P
Tires Pressure, Front	(0,8 bar)
Tires Pressure, Rear	(0,8 bar)
Tires Front	25 x 8 - 12
Tires Rear	25 x10 -12
Brake, Parking	Hydraulic lock, all wheel
Headlight	2 Single Beam on Bumper (55 watt)
Taillights	8.26 watts
Brake Light	26.9 watts
Instrument Cluster	LCD

### **HITCH :**

Sportsman 570 E is Homologated as Quadricycle and there is the possibility to install an Homologated Hitch (ask your Dealer for application and specification)

With your Quadricycle Sportsman you can pull a trailer with a total weight between trailer and load of 160 kg with a maximum vertical weight on the Hitch of 40 kg.

Refer to your country laws for the possibility to install a rear Hitch to your quadricycle as some countries do not allow Quadricycle to pull trailer even if you have a Homologated Hitch.

Always pay maximum attention when trailering and respect the speed and weight limits as indicated in the dedicated section of this Owner's Manual.

## SPECIFICATIONS

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### CLUTCHING CHART

<b>Altitude in meters (feet)</b>	<b>Shift Weight</b>	<b>Drive Clutch Spring</b>	<b>Driven Clutch Spring</b>	<b>Helix*</b>
(0-6000)	25-52G PN 5632409	Black PN 7043594	Red PN 3234451	EBS PN 3235639 Non-EBS PN 5132344
(6000-12000)	25-48 PN 5633217	Black PN 7043594	Red PN 3234451	EBS PN 3235639

\*EBS models require no helix / spring adjustment



# EGIMOTORS PRODUCTS

## LUBRICANTS / MISCELLANEOUS

PART NUMBER	DESCRIPTION
<b>Engine Lubricant</b>	
2870791	Fogging Oil (Aerosol)
2876244	PS-4 Full Synthetic 5W-50 4-Cycle Oil (.95 L)
2876245	PS-4 Full Synthetic 5W-50 4-Cycle Oil (3.8 L)
2878920	PS-4 Extreme Duty Synthetic 10W-50 4-Cycle Oil (.95 L)
2878919	PS-4 Extreme Duty Synthetic 10W-50 4-Cycle Oil (3.8 L)
<b>Gearcase / Transmission Lubricants</b>	
2878068	AGL Full Synthetic Gearcase Lubricant & Transmission Fluid (.95 L)
2878069	AGL Full Synthetic Gearcase Lubricant & Transmission Fluid (3.8 L)
2877922	Demand Drive Plus Fluid (.95 L)
2877923	Demand Drive Plus Fluid (3.8 L)
2870465	Pump for 3.8 L Jug
<b>Coolant</b>	
2880514	Antifreeze 50/50 Premix (.95 L)
2880513	Antifreeze 50/50 Premix (3.8 L)
<b>Grease / Specialized Lubricants</b>	
2871312	Grease Gun Kit, Premium All Season
2871322	All Season Grease (89 ml cartridge)
2871423	All Season Grease (414 ml cartridge)
2871460	Premium Starter Grease
2871515	U-Joint Grease (89 ml cartridge)

## EGIMOTORS

<b>PART NUMBER</b>	<b>DESCRIPTION</b>
2871551	U-Joint Grease (414 ml cartridge)
2871329	Dielectric Grease (Nyogel®)
<b>Additives / Miscellaneous</b>	
2871326	Carbon Clean
2870652	Fuel Stabilizer
2872189	DOT 4 Brake Fluid
2871956	Loctite® 565 Thread Sealant
2859044	EGIMOTORS Battery Tender Charger

## TROUBLESHOOTING

### DRIVE BELT WEAR / BURN

POSSIBLE CAUSE	SOLUTION
Driving onto a pickup or tall trailer in high range	Use low range during loading.
Starting out going up a steep incline	Use low range or turn around using the K-turn. See the Turning Around on a Hill section.
Driving at low RPM or ground speed (3-7 MPH)	Drive at a higher speed or use low range more frequently. See the When To Use Low Range and High Range section.
Insufficient warm-up at low ambient temperatures	Warm the engine at least 5 minutes. With the transmission in neutral, advance the throttle to about 1/8 throttle in short bursts, 5 to 7 times. The belt will become more flexible and prevent belt burning.
Slow/easy clutch engagement	Use the throttle quickly and effectively.
Towing/pushing at low RPM/low ground speed	Use low range only.
Utility use/plowing	Use low range only.
Stuck in mud or snow	Shift the transmission to low range and carefully use fast, aggressive throttle application to engage clutch. <b>WARNING!</b> Excessive throttle may cause loss of control and Quadricycle overturn.
Climbing over large objects from a stopped position	Shift the transmission to low range and carefully use fast, brief, aggressive throttle application to engage clutch. <b>WARNING!</b> Excessive throttle may cause loss of control and Quadricycle overturn.
Belt slippage from water or snow ingestion into the PVT system	Dry out the PVT. See the PVT Drying section. Inspect clutch seals for damage if repeated leaking occurs.
Clutch malfunction	See your dealer.

## TROUBLESHOOTING

<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
Poor engine performance	Check for fouled plugs or foreign material in gas tank or fuel lines. See your dealer.
Slippage from failure to warm up belt	Always warm up the belt by operating below 30 mph for one mile (5 miles or more when temperature is below freezing).
Wrong or missing belt	Install the recommended belt.
Improper break-in	Always break in a new belt and/or clutch. See the PVT Break-in (Clutches / Belt) section.
Low battery voltage	Recharge the battery to 12.8 VDC
Loose battery connections	Check all connections and tighten
Loose solenoid connections	Check all connections and tighten

## ENGINE TURNS OVER, FAILS TO START

<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
Out of fuel	Refuel.
Water is present in fuel	Drain the fuel system and refuel.
Old or non-recommended fuel	Replace with fresh recommended fuel.
Fouled or defective spark plug	Inspect plug and replace if necessary.
No spark to spark plug	Inspect plug and replace if necessary.
Water or fuel in crankcase	Your authorized dealer can assist.
Low battery voltage	Recharge the battery to 12.8 VDC.
Mechanical failure	Your authorized dealer can assist.

## ENGINE BACKFIRES

POSSIBLE CAUSE	SOLUTION
Weak spark from spark plug	Inspect, clean and/or replace spark plug
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Old or non-recommended fuel	Replace with fresh recommended fuel
Incorrectly installed spark plug wires	Your authorized dealer can assist
Mechanical failure	Your authorized dealer can assist
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with fresh recommended fuel

## ENGINE PINGS OR KNOCKS

POSSIBLE CAUSE	SOLUTION
Poor quality or low octane fuel	Replace with recommended fuel.
Incorrect ignition timing	Your authorized dealer can assist.
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs.

## ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

POSSIBLE CAUSE	SOLUTION
Fouled or defective spark plug(s)	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	Your authorized dealer can assist
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with new fuel
Low battery voltage	Recharge battery to 12.8 VDC

## TROUBLESHOOTING

<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
Kinked or plugged fuel tank vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	Your authorized dealer can assist
Electronic throttle control malfunction	Your authorized dealer can assist
Other mechanical failure	Your authorized dealer can assist

<b>POSSIBLE LEAN FUEL CAUSE</b>	<b>SOLUTION</b>
Low or contaminated fuel	Add or change fuel, clean the fuel system
Kinked or plugged fuel tank vent line	Inspect and replace
Low octane fuel	Replace with recommended fuel
Clogged air filter	Your authorized dealer can assist
Incorrect fuel	Replace with recommended fuel

<b>POSSIBLE RICH FUEL CAUSE</b>	<b>SOLUTION</b>
Fuel is very high octane	Replace with lower octane fuel
Stopping/starting without adequate warm-up	Allow engine to warm up before operating and/or stopping
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace

**ENGINE STOPS OR LOSES POWER**

POSSIBLE CAUSE	SOLUTION
Out of fuel	Refuel, cycle key to ON position three times for 5 seconds each, then start
Kinked or plugged fuel vent line	Inspect and replace
Water is present in fuel	Replace with new fuel
Fouled or defective spark plug(s)	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	Your authorized dealer can assist
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Loose ignition connections	Check all connections and tighten
Low battery voltage	Recharge the battery to 12.8 VDC
Incorrect fuel	Replace with fresh recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	Your authorized dealer can assist
Electronic throttle control malfunction	Your authorized dealer can assist
Other mechanical failure	Your authorized dealer can assist
Overheated engine	Clean radiator screen and core, clean engine exterior. Your EGIMOTORS dealer can assist.

## TROUBLESHOOTING

### ENGINE OVERHEATING

POSSIBLE CAUSE	SOLUTION
Debris lodged in screen	Clean the screen
Plugged Radiator	Use a garden hose to flush any debris from the radiator fins. <b>NOTE:</b> High pressure washers can deform the radiator fins and reduce cooling efficiency.

### DIAGNOSTIC DISPLAY CODE DEFINITIONS

Open Load: There is a break in the wires that lead to the item listed in the chart (injector, fuel pump, etc.), or the item has failed.

Short-to-Ground: The wire is shorted to ground between the electronic control unit and the item listed in the chart.

Shorted Load: The wires leading to the item listed in the chart are shorted together, or the item has shorted internally.

Short-to-Battery: The wire leading from the item listed in the chart to the electronic control unit is shorted to a wire at battery voltage.

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Accelerator Position 2	Data Valid But Above Normal Operational Range	29	0
	Not Plausible		2
	Voltage Too High		3
	Voltage Too Low		4
Throttle Position Sensor 1	Data Valid But Above Normal Operational Range	51	0
	Data Valid But Below Normal Operational Range		1
	Signal Out of Range		2
	Voltage Too High		3
	Voltage Too Low		4



# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Abnormal Rate Of Change		10
	Out Of Calibration		13
Quadricycle Speed Sensor	Data Valid But Above Normal Operational Range	84	0
	Data Valid But Below Normal Operational Range		1
	Data Erratic or Intermittent (or missing)		2
	Voltage Too High		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Frequency Or Pulse Width Or Period		8
	Abnormal Update Rate		9
	Abnormal Rate Of Change		10
	Bad Intelligent Device Or Component		12
	Received Quadricycle Speed Has Error		19
Accelerator Position 1	Voltage Too High	91	3
	Voltage Too Low		4
Fuel Level Signal	Data Erratic, Intermittent Or Incorrect	96	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Too Low		4

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Valid But Above Normal Operating Range		18
	Data Valid But Below Normal Operating Range		18
Manifold Absolute Pressure Sensor	Data Erratic, Intermittent Or Incorrect	102	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Too Low		4
	Mechanical System Not Responding Or Out Of Adjustment		7
	Abnormal Rate Of Change		10
Intake Air Temperature Sensor (T-MAP)	Data Valid But Above Normal Operational Range - Most Severe Level	105	0
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
	Abnormal Rate Of Change		10
	Data Valid But Above Normal Operating Range		15
Intake Air Pressure Sensor	Data Valid But Above Normal Operational Range	106	0
	Data Valid But Below Normal Operational Range		1

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
Barometric Pressure Sensor	Data Erratic, Intermittent Or Incorrect	108	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Rate Of Change		10
Engine Temperature Sensor	Engine Overheat Shutdown	110	0
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
	Abnormal Rate Of Change		10
	Data Valid But Above Normal Operating Range		15
	Temperature Too High		18
	Data Valid But Below Normal Operating Range		17
	Received Network Data In Error		19
Battery Potential	Voltage Above Normal, Or Shorted To High Source	158	3

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Voltage Below Normal, Or Shorted To Low Source		4
Transmission Range	Invalid	182	2
System Power	Data Valid But Above Normal Operational Range - Most Severe Level	188	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Too High		3
	Voltage Too Low		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		18
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
Engine Speed	Data Valid But Above Normal Operational Range - Most Severe Level	190	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Data Erratic, Intermittent Or Incorrect		2
	Mechanical System Not Responding Or Out Of Adjustment		7
	Received Engine Speed Has Error		19

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Error in Engine Speed Computation		31
Gear Sensor Signal	Data Erratic, Intermittent Or Incorrect	523	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Too Low		4
	Abnormal Update Rate		9
	Root Cause Not Known		11
Transmission Requested Gear	Received Network Data In Error	525	19
Cruise Control Panel Switches	Condition Exists	527	31
Brake Switch	Data Erratic, Intermittent Or Incorrect	597	2
	Abnormal Update Rate		9
	Abnormal Rate Of Change		10
	Received Network Data In Error		19
System Voltage	Data Valid But Above Normal Operating Range - Least Severe Level	627	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
ECU Memory	Bad Intelligent Device Or Component	628	12
	Out Of Calibration		13
Calibration	Out Of Calibration	630	13

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Checksum/CRC Error		19
Crankshaft Position Sensor	Plausibility Fault	636	2
	Abnormal Frequency Or Pulse Width Or Period		8
Camshaft Position Sensor	Mechanical System Not Responding Or Out Of Adjustment	637	7
	Abnormal Frequency Or Pulse Width Or Period		8
Injector 1 (MAG)	Voltage Below Normal / Shorted To Low Source / Driver Circuit Grounded.	651	4
	Current Below Normal / Open Circuit / Driver Circuit Open / Grounded		5
Injector 2 (PTO)	Voltage Above Normal, Or Shorted To High Source / Driver Circuit Short to B+	652	3
	Voltage Below Normal, Or Shorted To Low Source / Driver Circuit Grounded		4
	Current Below Normal Or Open Circuit / Driver Circuit Open / Grounded		5
Starter Solenoid Driver Circuit	Voltage Above Normal, Or Shorted To High Source	677	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Rear Differential Output (Turf)	Driver Circuit Short to B+	746	3
	Driver Circuit Grounded		4
	Driver Circuit Open / Grounded		5
Fan Relay Driver Circuit	Voltage Above Normal	1071	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
Ignition Coil Primary Driver 1 (MAG)	Voltage Above Normal	1268	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
Starter Enable Circuit	Voltage Above Normal	1321	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
Fuel Pump Driver Circuit	Voltage Above Normal	1347	3
	Voltage Below Normal		4
	Current Below Normal Or Open Circuit		5
	Abnormal Frequency Or Pulse Width Or Period		8
EFI Relay Control Circuit	Voltage Above Normal	1485	3
	Voltage Below Normal		4

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Current Below Normal Or Open Circuit		5
Fan Driver 2	Voltage Above Normal	1557	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
PTO Solenoid Driver Circuit	Voltage Above Normal, Or Shorted To High Source	1888	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Quadricycle Speed	Data Valid But Above Normal Operating Range - Moderately Severe Level	2590	18
Oxygen Sensor Bank 1 Sensor 1	Data Erratic, Intermittent Or Incorrect	3056	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Bad Intelligent Device Or Component		12
	Data Valid But Below Normal Operating Range - Least Severe Level		17
ECU Output Supply Voltage 1	Data Valid But Above Normal Operational Range - Most Severe Level	3597	0



# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		18
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
ECU Output Supply Voltage 2	Data Valid But Above Normal Operational Range - Most Severe Level	3598	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		18
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
ECU Output Supply Voltage 3	Data Valid But Above Normal Operational Range - Most Severe Level	3599	0

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Above Normal Operating Range - Moderately Severe Level		18
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
CAN1 Bus Hardware	Root Cause Not Known	65559	11
	Condition Exists		31
ETC Accelerator Position Sensor Correlation	Data Erratic, Intermittent Or Incorrect	65613	2
Cylinder Misfire	Mechanical System Not Responding Or Out Of Adjustment	65590	7
Cylinder 1 Misfire	Mechanical System Not Responding Or Out Of Adjustment	65591	7
ETC Accelerator Position Sensor Outputs 1 & 2 Correlation	Data Erratic, Intermittent Or Incorrect	65613	2
CAN 1	Abnormal Update Rate	518125	9
Idle Engine speed	Received Network Data In Error	518178	19
Winch In Commanded State	Data Valid But Below Normal Operational Range - Most Severe Level	518246	1

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Winch Out Commanded State	Voltage Above Normal, Or Shorted To High Source	518247	3
	Voltage Below Normal, Or Shorted To Low Source		4
Winch Auto Stop Signal	Voltage Below Normal, Or Shorted To Low Source	518248	4
Plowing In High Range	Data Valid But Above Normal Operating Range - Moderately Severe Level	518249	18
CAN1 Bus Wiring	Condition Exists	520141	31
Throttle Release Signal	Data Erratic, Intermittent Or Incorrect	520194	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Mechanical System Not Responding Or Out Of Adjustment		7
Throttle Position Sensor 2	Data Valid But Above Normal Operational Range - Most Severe Level	520198	0
	Data Valid But Below Normal Operational Range - Most Severe Level		1

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Rate Of Change		10
	Out Of Calibration		13
Canister Purge Valve	Voltage Above Normal, Or Shorted To High Source	520202	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Front Wheel Back Drive (Active Descent System)	Voltage Above Normal, Or Shorted To High Source	520203	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Fuel Correction Front	Data Valid But Above Normal Operating Range - Least Severe Level	520204	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Fuel Correction Rear	Data Valid But Above Normal Operating Range - Least Severe Level	520205	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Reverse Alarm	Data Erratic, Intermittent Or Incorrect	520206	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
All Wheel Drive Control Circuit	Voltage Above Normal, Or Shorted To High Source	520207	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Chassis Relay	Voltage Above Normal, Or Shorted To High Source	520208	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Idle Speed	Voltage Above Normal, Or Shorted To High Source	520211	3
	Voltage Below Normal, Or Shorted To Low Source		4
Accessory Relay	Voltage Above Normal, Or Shorted To High Source	520219	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Battery Charge Relay	Voltage Above Normal, Or Shorted To High Source	520220	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Steering Over Current Shut Down	Current Above Normal Or Grounded Circuit	520221	6
	Bad Intelligent Device Or Component		12
Steering Excessive Current Error	Current Above Normal Or Grounded Circuit	520222	6
Steering Torque Partial Failure	Condition Exists	520223	31
Steering Torque Full Failure	Condition Exists	520224	31
EPS Inverter Temperature	Data Valid But Above Normal Operational Range - Most Severe Level	520225	0
	Bad Intelligent Device Or Component		12
	Data Valid But Above Normal Operating Range - Moderately Severe Level		18
EPS Communications Receive Data Error	Data Erratic, Intermittent Or Incorrect	520226	2
	Condition Exists		31
EPS CAN Communications Transmit Error	Data Erratic, Intermittent Or Incorrect	520227	2
Position Encoder Error	Root Cause Not Known	520228	11

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Bad Intelligent Device Or Component		12
	Condition Exists		31
Software Error	Bad Intelligent Device Or Component	520229	12
	Condition Exists		31
IC CAN Communication with EPS	Condition Exists	520230	31
EPS Power Save Condition	Condition Exists	520231	31
Fuel Pull Solenoid Relay Driver Circuit (Low Side)	Voltage Above Normal, Or Shorted To High Source	520273	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Accelerator Position/Brake Position Interaction	Condition Exists	520275	31
Throttle Position Sensor (1 or 2 Indeterminable)	Data Erratic, Intermittent Or Incorrect	520276	2
	Bad Intelligent Device Or Component		12
Throttle Body Control - Power Stage	Data Erratic, Intermittent Or Incorrect	520277	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Frequency Or Pulse Width Or Period		8

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Condition Exists		31
Throttle Body Control - Return Spring Check Failed	Condition Exists	520278	31
Throttle Body Control - Adaption Aborted	Condition Exists	520279	31
Throttle Body Control - Limp Home Position Check Failed	Condition Exists	520280	31
Throttle Body Control - Mechanical Stop Adaptation Failure	Condition Exists	520281	31
Throttle Body Control - Repeated Adaptation Failed	Condition Exists	520282	31
Throttle Body Control	Data Erratic, Intermittent Or Incorrect	520283	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Throttle Body Control - Position Deviation Fault	Condition Exists	520284	31
Brake Switch (1 or 2 Indeterminable)	Data Erratic, Intermittent Or Incorrect	520285	2
ECU Monitoring Error	Condition Exists	520286	31
ECU Monitoring Error (Level 3)	Condition Exists	520287	31
ECU Monitoring of Injection Cut Off (Level 1)	Condition Exists	520288	31
ECU Monitoring of Injection Cut Off (Level 2)	Condition Exists	520289	31



# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
Throttle Body Control - Requested Throttle Angle Not Plausible	Condition Exists	520305	31
ECU ADC Fault - No Load	Condition Exists	520306	31
ECU ADC Fault - Voltage	Condition Exists	520307	31
Accelerator Sensor Sync Fault - Sensor Diff Exceeds Limit	Condition Exists	520308	31
ECU Fault - ICO	Condition Exists	520309	31
ECU Fault - Hardware Disruption	Condition Exists	520311	31
Idle Fuel Correction Bank 1	Data Valid But Above Normal Operating Range - Least Severe Level	520342	15
Idle Fuel Correction Bank 2	Data Valid But Above Normal Operating Range - Least Severe Level	520343	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Adaptive Fuel Correction Bank 1	Data Valid But Above Normal Operating Range - Least Severe Level	520344	15
	Data Valid But Below Normal Operating Range - Least Severe Level		17
Internal fault - Chassis Output Disabled	Condition Exists	520376	31
Non Functional Application SW Installed	Condition Exists	520381	31
Stator	Voltage Below Normal, Or Shorted To Low Source	520498	4

# TROUBLESHOOTING

DIAGNOSTIC CODES			
COMPONENT	CONDITION	SPN	FMI
	Current Below Normal Or Open Circuit		5
Display Relay	Current Below Normal Or Open Circuit	520522	5
Drive Mode Select Switch	Data Erratic, Intermittent Or Incorrect	524067	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
EPS Fault Lamp Driver Circuit	Bad Intelligent Device Or Component	524085	12
EPS SEPIC Voltage Error	Voltage Above Normal, Or Shorted To High Source	524086	3
	Voltage Below Normal, Or Shorted To Low Source		4

## **WARRANTY**

### **LIMITED WARRANTY**

EGIMOTORS gives a TWO-YEAR LIMITED WARRANTY on all components of your Quadricycle against defects in material or workmanship.

This warranty covers parts and labor charges for repair or replacement of defective parts and begins on the date of purchase by the original retail purchaser.

This warranty is transferable to another owner during the warranty period through a dealer, but any such transfer will not extend the original term of the warranty.

The duration of this warranty may vary by international region based upon local laws and regulations.

## **REGISTRATION**

At the time of sale, the Warranty Registration Form must be completed by your dealer and submitted within ten days of purchase.

Upon receipt of this registration, EGIMOTORS will record the registration for warranty. No verification of registration will be sent to the purchaser as the copy of the Warranty Registration Form will be your proof of warranty coverage. If you have not signed the original registration and received the customer copy, please contact your dealer immediately.

**NO WARRANTY COVERAGE WILL BE ALLOWED UNLESS YOUR VEHICLE IS REGISTERED WITH EGIMOTORS.**

Initial dealer preparation and set-up of your vehicle is very important in ensuring trouble-free operation.

Purchasing a machine in the crate or without proper dealer set-up will void your warranty coverage.

## WARRANTY

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### **WARRANTY COVERAGE AND EXCLUSIONS LIMITATIONS OF WARRANTIES AND REMEDIES**

This EGIMOTORS limited warranty excludes any failures that are not caused by a defect in material or workmanship. **THIS WARRANTY DOES NOT COVER CLAIMS OF DEFECTIVE DESIGN.** This warranty also does not cover acts of God, accidental damage, normal wear and tear, abuse or improper handling. This warranty also does not cover any Quadricycle, component, or part that has been altered structurally, modified, neglected, improperly maintained or used for racing, competition or purposes other than for which it was designed.

This warranty excludes damages or failures resulting from improper lubrication; improper engine timing; improper fuel; surface imperfections caused by external stress, heat, cold or contamination; operator error or abuse; improper component alignment, tension, adjustment or altitude compensation; snow, water, dirt or other foreign substance ingestion/contamination; improper maintenance; modified components; use of aftermarket or unapproved components, accessories, or attachments; use of unapproved software or calibration; unauthorized repairs; or repairs made after the warranty period expires or by an unauthorized repair center.

This warranty excludes damages or failures caused by abuse, accident, fire, or any other cause other than a defect in materials or workmanship and provides no coverage for consumable components, general wear items, or any parts exposed to friction surfaces, stresses, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items:

- Wheels and tires
- Suspension components
- Brake components
- Seat components
- Clutches and components
- Steering components
- Batteries
- Light bulbs/Sealed beam lamps
- Filters
- Lubricants
- Bushings
- Finished and unfinished surfaces
- Carburetor/Throttle body components
- Engine components
- Drive belts
- Hydraulic components and fluids
- Circuit breakers/Fuses
- Electronic components
- Spark plugs
- Sealants
- Coolants
- Bearings

## LUBRICANTS AND FLUIDS

1. Mixing oil brands or using non-recommended oil may cause engine damage. We recommend the use of EGIMOTORS engine oil.
2. Damage or failure resulting from the use of non-recommended lubricants or fluids is not covered by this warranty.

This warranty provides no coverage for personal loss or expense, including mileage, transportation costs, hotels, meals, shipping or handling fees, product pick-up or delivery, replacement rentals, loss of product use, loss of profits, or loss of vacation or personal time.

THE EXCLUSIVE REMEDY FOR BREACH OF THIS WARRANTY SHALL BE, AT EGIMOTORS' OPTION, REPAIR OR REPLACEMENT OF ANY DEFECTIVE MATERIALS, COMPONENTS, OR PRODUCTS. THE REMEDIES SET FORTH IN THIS WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. EGIMOTORS SHALL HAVE NO LIABILITY 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. THIS EXCLUSION OF CONSEQUENTIAL, INCIDENTAL, AND SPECIAL DAMAGES IS INDEPENDENT FROM AND SHALL SURVIVE ANY FINDING THAT THE EXCLUSIVE REMEDY FAILED OF ITS ESSENTIAL PURPOSE.

THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXCLUDED FROM THIS LIMITED WARRANTY. ALL OTHER IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY) ARE LIMITED IN DURATION TO THE ABOVE SIX MONTH WARRANTY PERIOD. EGIMOTORS DISCLAIMS ALL EXPRESS WARRANTIES NOT STATED IN THIS WARRANTY. SOME STATES DO NOT PERMIT THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ALLOW LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU IF INCONSISTENT WITH CONTROLLING STATE LAW.

## WARRANTY

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### **HOW TO OBTAIN WARRANTY SERVICE**

If your Quadricycle requires warranty service, you must take it to a EGIMOTORS Servicing Dealer. When requesting warranty service you must present your copy of the Warranty Registration Form to the dealer. (THE COST OF TRANSPORTATION TO AND FROM THE DEALER IS YOUR RESPONSIBILITY.) EGIMOTORS suggests that you use your original selling dealer; however, you may use any EGIMOTORS Servicing Dealer to perform warranty service.

### **IN THE COUNTRY WHERE YOUR PRODUCT WAS PURCHASED:**

Warranty or Service Bulletin repairs must be done by an authorized EGIMOTORS dealer, or other qualified person. If you move or are traveling within the country where your product was purchased, Warranty and Service Bulletin repairs may be requested from any authorized EGIMOTORS dealer, or other qualified person, that sells the same line as your product.

### **OUTSIDE THE COUNTRY WHERE YOUR PRODUCT WAS PURCHASED:**

If you are traveling temporarily outside the country where your product was purchased, you should take your product to an authorized EGIMOTORS dealer, or other qualified person. You must show the dealer photo identification from the country of the selling dealer's authorized location as proof of residence. Upon residence verification, the servicing dealer will be authorized to perform the warranty repair.

### **IF YOU MOVE:**

If you move to another country, be sure to contact EGIMOTORS Customer Assistance and the customs department of the destination country before you move. Product importation rules vary considerably from country to country. You may be required to present documentation of your move to EGIMOTORS in order to continue your warranty coverage. You may also be required to obtain documentation from EGIMOTORS in order to register your product in your new country. You should warranty register your product at a local EGIMOTORS dealer in your new country immediately after you move to continue your warranty coverage and to ensure that you receive information and notices regarding your product.

### **IF YOU PURCHASE FROM A PRIVATE PARTY:**

If you purchase a EGIMOTORS product from a private party, to be kept and used outside of the country in which the product was originally purchased, all warranty coverage will be denied. You must nonetheless register your product under your name and address with a local EGIMOTORS dealer in your country to ensure that you receive safety information and notices regarding your product.

## EXPORTED PRODUCTS

EXCEPT WHERE SPECIFICALLY REQUIRED BY LAW, THERE IS NO WARRANTY OR SERVICE BULLETIN COVERAGE ON THIS PRODUCT IF IT IS SOLD OUTSIDE THE COUNTRY OF THE SELLING DEALER'S AUTHORIZED LOCATION. This policy does not apply to products that have received authorization for export from EGIMOTORS. Dealers may not give authorization for export. You should consult an authorized dealer to determine this product's warranty or service coverage if you have any questions. This policy does not apply to products registered to government officials or military personnel on assignment outside the country of the selling dealer's authorized location. This policy does not apply to Safety Bulletins.

## NOTICE

If your product is registered outside of the country where it was purchased and you have not followed the procedure set above, your product will no longer be eligible for warranty or service bulletin coverage of any kind, other than safety bulletins. Products registered to government officials or military personnel on assignment outside of the country where the product was purchased will continue to be covered by the Limited Warranty.

Please work with your dealer to resolve any warranty issues. Dealership contacts can be found via this website, if needed:

**[www.Egimotors.it](http://www.Egimotors.it)**

Should your dealer require any additional assistance, they will contact the appropriate person at EGIMOTORS.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or in different countries. If any of the above terms are void because of federal, state, local law, all other warranty terms will remain in effect.

***For questions contact***

***EGIMOTORS Customer Assistance***







# QUADRICYCLE Certificate of Pre-Delivery

Year \_\_\_\_\_ Model \_\_\_\_\_

VIN \_\_\_\_\_

Engine Serial Number \_\_\_\_\_

Key Number \_\_\_\_\_ Km / Hours \_\_\_\_\_

Registration Plate Number \_\_\_\_\_

## ASSEMBLY / SERVICE / INSPECTION

- - SEALED BATTERY – Apply dielectric grease to terminal bolts and install cable. Check Voltage and charge if below 12,8 Volts.
- - BATTERY VOLTAGE – Misuse and record the battery voltage after 30 minutes after charger has been removed \_\_\_\_\_ DCV
- - TIRE PRESSURE – Verify Pressure if set to Specification
- - WHEEL NUT – Torque to specification
- - HANDLEBAR CLAMPS - Torque bolts to specification
- - MASTER CYLINDER – Torque bolts to specification
- - FRONT TOE ALIGNMENT – Verify proper toe setting
- - BALL JOINT – Inspect bolts and/or cotter pin
- - STEERING POST – Inspect cotter pin
- - TIE ROD – Inspect jam nuts and cotter pin
- - TRANSMISSION – Add oil if needed
- - GREASE FITTING – Check and Grease all the Fitting if needed
- - ENGINE OIL – Check level of oil, add if needed
- - BRAKE FLUID – Check level of fluid, add if needed in brake master cylinder(s)
- - ENGINE COOLANT – Inspect coolant in recovery bottle. Add if needed.
- - PARK BRAKE – Verify proper operation
- - INTAKE AIRBOX – Inspect hose connection and clamps. Inspect filter condition.
- - LIGHTS – Verify operation of all lights
- - FUEL – Check level of fuel and add if needed
- - WIRE HARNESS / HOSE/ LINES – Inspect wire, hoses, and line from kinks, pinching and sign of abrasion.
- - UNIT INQUIRY – Check in the system and complete applicable Service Bulletins Recalls or factory direct modification(s)
- - COSMETIC INSPECTION – Inspect the quadricycle for damage and proper fit and finish.

DEALERSHIP NAME \_\_\_\_\_ # \_\_\_\_\_

ASSEMBLED BY \_\_\_\_\_

DATE \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

SIGNATURE

STAMP

## QUADRICYCLE Certificate of Pre-Delivery

Year \_\_\_\_\_ Model \_\_\_\_\_

VIN \_\_\_\_\_

Engine Serial Number \_\_\_\_\_

Key Number \_\_\_\_\_ Km / Hours \_\_\_\_\_

Registration Plate Number \_\_\_\_\_

### TEST RIDE

- - ENGINE – Starting acceleration and smoothness.
- - IDLE SPEED – Verify when cold and hot the engine idle properly.
- - TROTTLER – With engine idling and transmission in Neutral, swing the handlebar through entire travel range and verify proper and smooth operation.
- - ETC - Verify proper operation and throttle free play.
- - AUXILIARY SHUT OFF SWITCH - Verify proper operation.
- - BRAKES - Verify proper operation. Torque bolts to specification
- - DRIVELINE – Verify smooth operation
- - CLUTCH / TRANSMISSION – Verify proper shifting and transmission engagement/ indicator lights must correspond with gears.
- - AWD ADC – Verify proper operation.
- - REVERSE SPEED LIMITER – Verify operation and override control.
- - INSTRUMENTATION – Verify operational reading.
- - WHINCH (If equipped) – Verify proper operation.
- - SUSPENSION / STEERING – Verify adjustment, stability and operation.
- - ENGINE COOLANT Inspect coolant in recovery bottle between Min and Max after test ride, add if necessary.
- - DIAGNOSTIC SYSTEM – Run Engine up to full operating temperature. Use digital Wrench to generate and submit a "Service Report" recommended Process.
- - LEAKAGE – After completing "Diagnostic System" check for leakage and verify proper connection of oil / exhaust / fuel / Coolant / Brake fluid fitting, inspect hoses for sign and abrasion.
- - CLEAN – Wash and clean the quadricycle before delivery.

TEST RIDDEN BY

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DATE \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

SIGNATURE

STAMP

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# QUADRICYCLE Certificate of Pre-Delivery

Year \_\_\_\_\_ Model \_\_\_\_\_

VIN \_\_\_\_\_

Engine Serial Number \_\_\_\_\_

Key Number \_\_\_\_\_ Km / Hours \_\_\_\_\_

Registration Plate Number \_\_\_\_\_

## DELIVERY TO CUSTOMER

- - WARRANTY REGISTRATION FORM – Completed and signed.
- - OWNERS MANUAL – Emphasize the importance of reading for customer Safety and Servicing of Quadricycle/ Explain periodic maintenance responsibilities.
- - WARRANTY POLICY – Explanation / Limit / Requirements.
- - KEYS - Record Key Number.
- - Controls – Show location and function.
- - BELT LIFE – Discuss proper operation procedure operating and proper use of High and Low Gear Range.
- - BREAK IN PROCEDURE – Review as outline in Owner's Manual.
- - STORAGE / FUELING / TRANSPORTATION – Review as outline in the owner's manual.
- - TOOL KIT – Show location.
- - Safety Video – Review with Customer.
- - SAFETY FEATURES – Review all safety features of quadricycle operation for new operation.
- - DRIVING PROCEDURE – Review Operator driving procedure outlined in the Owner's Manual.
- - SVIA TRAINING FACT SHEET – Review with customer.
- - SAFETY TRAINING COURSE SVIA – I have instructed the owner on the authorized SVIA Safety training online course.
- - PRE-DELIVERY CERTIFICATION – I certify that pre-delivery inspection and service have been performed on this vehicle in accordance with the instructions issued by Egimotors.

DEALERSHIP NAME \_\_\_\_\_ # \_\_\_\_\_

DELIVERED BY \_\_\_\_\_

DATE \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

SIGNATURE

STAMP

## QUADRICYCLE Certificate of Pre-Delivery

Year \_\_\_\_\_ Model \_\_\_\_\_

VIN \_\_\_\_\_

Engine Serial Number \_\_\_\_\_

Key Number \_\_\_\_\_ Km / Hours \_\_\_\_\_

Registration Plate Number \_\_\_\_\_

### CUSTOMER ACCEPTANCE

- - I have reviewed the Egimotors warranty Policy / Policies
- - I have inspected the Quadricycle and it meets my satisfaction.
- - I understand the importance of following the Owner's Manual and instructions.

- - I understand the importance of using all safety features.

Review with customer.

- - I understand the importance of all operation following the operator driving procedures in the Owner's Manual.

- - I have been instructed on the authorized online SVIA training course by my Dealer \_\_\_\_\_

(Name of dealership and person who inform the Customer)

CUSTOMER NAME \_\_\_\_\_

CUSTOMER SIGNATURE

DATE \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

For more informations  
visit [www.Egimotors.it](http://www.Egimotors.it)

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