Egimotors

Owner's Manual

QUADRICYCLE

RZR Trail S 1000

WELCOME

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 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.

All 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.

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.

INTRODUCTION

IMPORTANT INFORMATION

⚠ WARNING

Failure to follow the warnings contained in this manual can result in severe injury or death.

This quadricycle is not a toy and can be hazardous to operate. This quadricycle handles differently than other quadricycles. A collision or rollover can occur quickly, even during routine maneuvers, if you fail to take proper precautions.

- Read this owner's manual. Understand all safety warnings, precautions and operating procedures before operating the quadricycle. Keep this manual with the quadricycle at all times.
- This quadricycle is an ADULT QUADRICYCLE ONLY. You MUST be at least 18 years of age and have a valid driver's license to operate this quadricycle.
- No person under the age of 12 may ride as a passenger in this quadricycle.
- Never permit a guest to operate this quadricycle unless the guest has read this manual and all product labels.
- Always keep hands, feet, and all other body parts inside the quadricycle at all times.
- Always wear the proper clothing when operating or riding in this quadricycle. All riders should wear substantial footwear, long pants, and a close-fitting shirt. A hard hat or helmet and approved eye protection are recommended when appropriate for riding or working conditions.
- Never operate this quadricycle under the influence of drugs or alcohol, as these conditions impair judgement and the operator's ability to react.

TOOLS FOR SAFE RIDING

To safely operate this quadricycle, it is important to become familiar with its features, controls, and characteristics. Review the Safety Briefings for this quadricycle that apply to you:

- Operators
- Riders
- Owners
- Trailering the Quadricycle
- Maintaining the Quadricycle

Additionally, read the product safety labels on the quadricycle and follow all rules and regulations concerning the operation of this quadricycle in your area.

NEAR-FIELD COMMUNICATION (NFC) (IF EQUIPPED)

Some Egimotors quadricycles come equipped with a near-field communication (NFC) chip. The NFC chip is embedded in the Polaris 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.

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.

On models equipped with NFC, place your smartphone directly over the Polaris 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:

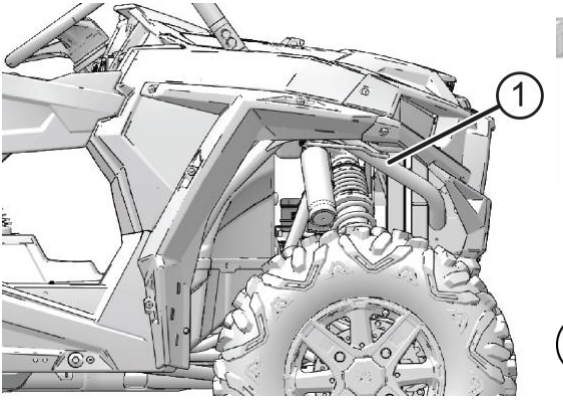
1. Download the Ride Command mobile app from the Apple App Store® or Google Play® store.
2. Create or log in to an existing account.
3. From the Ride Command mobile app home screen, select **Add Quadricycle**.
4. On the quadricycle, tap the NFC-enabled badge with the phone to scan the quadricycle.
5.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

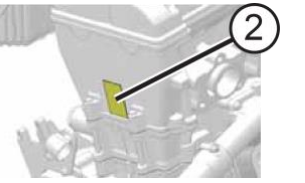
SYSTEM REQUIREMENTS

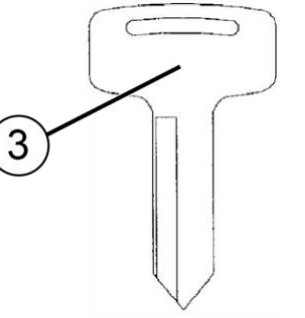
Refer to device manufacturer's instructions to verify NFC read capability, and/or NFC-capable add-ons.

QUADRICYCLE IDENTIFICATION NUMBERS

Record your quadricycle's identification number q, engine serial number w, and key number e 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.







1 Quadricycle Identification Number:
2 Engine Serial Number:
3 Key Number:

SAFETY

OWNER REQUIREMENTS

Improper use, maintenance, or modification of this quadricycle can lead to serious injury or death.

Require proper use of your quadricycle. Do not allow anyone to operate your quadricycle or ride as a passenger unless they are properly instructed and you are sure they are willing to ride responsibly. To prevent unauthorized use, always remove the ignition key when the quadricycle is not in use.

Any modifications or installation of non-EGIMOTORS-approved accessories could increase the risk of injury. While you may find aftermarket products similar in design and quality to EGIMOTORS accessories, recognize that some aftermarket accessories or modifications are not suitable because of potential safety hazards to you or others. It is never appropriate to install any additional seating.

Check with the manufacturer to determine any potential effect of a modification or accessory on the safe use of your quadricycle. You are responsible for injuries related to modifications to the quadricycle. Modifications or accessories may:

- Damage machine components - especially modifications that increase speed or power.
- Make the quadricycle less stable at higher speeds.
- Add weight, reducing the amount of cargo and total weight you can carry, and raise the quadricycle's center of gravity.
- Overload the quadricycle's electrical system capacity. Blowing a fuse may cause a loss of lights or engine power.
- Reduce the effectiveness of occupant protection systems, including the seatbelts and the Rollover Protective Structure (ROPS).
- Make it illegal to own or operate your quadricycle. EGIMOTORS-authorized spark arresters, mufflers, and emissions control components are mandatory for ownership or operation in many areas.
- Void your warranty.

The quadricycle ROPS, when used with the seat belts and doors, provides a structure to help protect occupants. The structure will not protect occupants in all rollovers or accidents.

DRIVER AND PASSENGER QUALIFICATIONS

Make sure operators are 16 or older with a valid driver's license. Just because a teenager has a license does not mean that they will make good judgments about driving and avoid risk taking.

EGIMOTORS recommends that you supervise younger drivers. Set rules and put limits on how, when, and where they are allowed to use this quadricycle. For example, young drivers may need to have an adult in the quadricycle with them and not be allowed to drive with their friends in the quadricycle.

Make sure all riders fit the quadricycle. Be sure that the driver and all passengers are able to:

- sit with their backs against their seat,
- adjust the seat belt to fit properly,
- have both feet flat on the floor, and
- have both hands on the steering wheel or on a passenger hand hold.

Do not allow children who need child safety seats or booster seats to ride in the quadricycle. The quadricycle is not designed to restrain automotive child safety seats.

You are responsible for your passengers. Be sure passengers are seated properly, belted, holding the passenger hand hold, and ready to brace. Unrestrained riders can fall out or be thrown around and from a moving quadricycle.

Every person must be properly seated and belted in their own seat. Two people should never be belted into a single seat belt. People belted together can crash into one another in a collision and be seriously injured. Never carry passengers in the cargo bed as they could be thrown against or out of the quadricycle or come into contact with moving parts.

Do not let people drive or ride after using alcohol or drugs.

PREPARE QUADRICYCLE FOR THE RIDE

Before starting off, always perform the Pre-Ride Inspection. Failure to inspect and verify that the quadricycle is in safe operating condition increases the risk of an accident, which can lead to serious injury or death.

ITEM	REMARK
Brake Fluid	Ensure proper level and condition
Front and rear suspension	Inspect, lubricate if necessary
Steering	Ensure free operation
Tires	Inspect condition and pressure
Wheels/Lug Nuts	Inspect, ensure fastener tightness
Fuel and oil	Ensure proper levels and condition
Coolant	Ensure proper level and condition
Indicator lights/switches	Ensure proper operation
Air Filter	Inspect, replace as needed
Engine intake pre-filter	Inspect, clean
PVT intake pre-filter	Inspect, clean
Headlights	Check operation
Brake lights/taillights	Check operation
Seat Latches	Push down on both seat backs to ensure the latches are secure

ITEM	REMARK
Seat Belts	Check length of belt for damage, check latches for proper operation
Exhaust	Inspect spark arrester and clean if needed.
Quadricycle Debris	Remove grass, leaves, and other flammable material or debris, especially near the exhaust system.
Passenger Hand Hold	Always adjust the hand hold to a comfortable position for your passenger before operating. Make sure the clasps are fully locked after making adjustments.
Lock adjustable steering wheel	Do not adjust the steering wheel while the quadricycle is moving.

Improper tire maintenance can lead to loss of control and an accident, which could result in serious injury or death. To reduce your risk of injury:

- Maintain EGIMOTORS recommended tire pressure. Check pressure before operating. Even if your quadricycle has only been driven a short distance, the tire pressure readings can become higher.
- Make sure tire pressures match the specifications listed in the table below.
- Only use the size and type of tires specified for this quadricycle.
- Do not operate your quadricycle with worn or damaged tires.
- Always follow your tire manufacturer's instructions for maintenance.

MEASUREMENT	SPECIFICATION
Maximum Cargo Box Load	136 kg
Tire Pressure in kPa	Front: 69 kPa Rear: 97 kPa
Maximum Weight Capacity Includes weight of operator, passenger, cargo, and accessories	336 kg

PREPARE YOURSELF, PASSENGERS, AND CARGO FOR THE RIDE

Wear an approved helmet. Riding in this quadricycle without wearing an approved helmet increases the risk of serious injury. For example, a helmet reduces your risk of injury from head strikes with the quadricycle or other objects even if there is no crash.

Approved helmets in the USA and Canada bear a U.S. Department of Transportation (DOT) label. Approved helmets in Europe, Asia, and Oceania 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.

Use shatterproof goggles or a shatterproof helmet face shield. Such protective eyewear may reduce the risk of foreign material getting in your eyes and help prevent loss of vision.

EGIMOTORS recommends wearing approved Personal Protective Equipment (PPE) that have markings indicating they are designed to standards such as:

- VESC 8
- V-8
- Z87.1
- CE

Additional protective clothing and gear that may be appropriate for your riding conditions includes:

- Always wear shoes when operating. Consider wearing sturdy over-the-ankle boots suitable for the terrain you will be riding in.
- Full-finger gloves can protect against wind, sun, cold, and objects. Choose gloves that fit snugly and allow fingers to move freely and grip on the steering wheel or hand holds.
- Consider long sleeves and long pants to help protect arms and legs.
- Long-term exposure to wind and engine noise can cause permanent hearing loss. Properly worn hearing protective devices such as earplugs can help prevent hearing loss. Check local laws or the rules of the riding area you are in before wearing hearing protection to make sure its use is permitted.

Always stay completely inside the quadricycle and hold the steering wheel or hand holds. Body parts outside of the quadricycle can be struck by passing objects or crushed during a rollover. Do not put any part of your body outside of the quadricycle for any reason. Do not hold onto the ROPS frame or put any part of your body on the door.

Riding in this quadricycle without closed and latched cab doors increases the risk of serious injury or death in the event of an accident or rollover. Always make sure all cab doors are closed and latched while riding in this quadricycle.

Be sure riders pay attention and plan ahead. If you think or feel the quadricycle may tip or roll, reduce your risk of injury:

- Keep a firm grip on the steering wheel or hand holds and brace yourself.
- Do not put any part of your body outside of the quadricycle for any reason.

This quadricycle is not designed to carry unrestrained pets. An unrestrained pet can be thrown about and injure riders, even during normal operation. When transporting pets, use a pet crate suitable for off-road use that is secured to the quadricycle.

Fuels such as gasoline can be extremely flammable. To reduce the risk of serious injury or death, never carry fuel or other flammable liquids on this quadricycle. Rollovers, crashes, rough riding, or changes in elevation or temperature may lead to fuel spilling or vapor release from portable containers. Hot quadricycle parts can cause fires, even after the engine has been turned off.

Never exceed quadricycle weight capacities. Overloading the quadricycle or carrying cargo improperly will cause changes in stability and handling, which could cause loss of control or an accident. See the Specifications chapter for weight capacities.

Secure cargo in the cargo box as far forward, centered and as low as possible. When cargo cannot be positioned and secured in this way, operate with extra caution. Unsecured cargo can strike and injure riders, affect quadricycle handling, and result in loss of control.

The weight of riders and cargo changes quadricycle braking, handling, and stability. To avoid loss of control, turn gradually, operate at slower speeds, and avoid rougher or steeper terrain.

DRIVING GUIDELINES

Drive responsibly. This quadricycle is not a toy and can be hazardous to operate. This quadricycle has higher ground clearance and other features to handle rugged terrain. It can be overturned in situations where some other quadricycles may not.
Abrupt maneuvers or aggressive driving, even on flat, open areas, can cause loss of control, rollovers, severe injury or death. To avoid loss of control and rollovers:

- Avoid abrupt maneuvers, sideways sliding, skidding, or fishtailing, and never do donuts.
- Slow down before entering turn.
- Avoid hard acceleration when turning, even from a stop.

High speed off-road operation
Driving off-road quadricycles to test the limits of your skills or abilities can be very dangerous to you, passengers, and bystanders. Basic skills for driving a car, ATV, or other off-road quadricycles do not equip drivers to safely attempt high speed off-road operation. Develop your skill gradually through training, practice, and experience with the various driving modes of this quadricycle and the terrain in which you are operating. Always do a low speed reconnaissance run (prerun) to become aware of anything you may encounter.

High speed off-road operation can lead to loss of control, crashes, or hard landings that can seriously injure occupants (even without rolling the quadricycle or damaging it).

If you plan on using the quadricycle for high speed, off-road competition, additional safety equipment may be necessary. Check the rules that apply to your competition.

Do not go over jumps — going airborne can lead to serious injury or death. Going airborne can cause loss of control, rollovers, or crashing into the ground and may damage the quadricycle. Even without crashing, landings can be hard enough to cause any quadricycle suspension to fully compress (e.g., bottom out).
Serious injuries, including spinal injuries, can occur even if riders are properly harnessed, wearing helmets and the quadricycle is not damaged and remains upright.

You may encounter slopes, "jumps", or other terrain features that could send the quadricycle airborne, depending on your speed. These may be defectively designed, poorly maintained, or not suitable for this quadricycle. Slow down, use extra care, and avoid going airborne. Never take this quadricycle over jumps.

Watching someone else go over a jump or go airborne does not mean you can safely do so. Egimotors cannot determine whether any jump you may encounter is appropriate for this quadricycle. Any jump, even a small one, could be poorly maintained, designed, or not suitable for this quadricycle and may cause serious injury or death.

Plan for hills, rough terrain, ruts, and other changes in traction and terrain. Proceed slowly and with extra care on unfamiliar terrain. Avoid paved surfaces. Sudden changes in terrain such as holes, depressions, banks, softer or harder ground, or other irregularities may cause loss of control or rollover. Give yourself time to react to rocks, bumps, or holes that may be hard to see. Operating in deep snow or tall grass may make it harder to see obstacles.

If you cannot go around an obstacle, such as a fallen tree or a ditch, stop the quadricycle in a safe place. Get out to inspect the area thoroughly. Look from both your approach side and exit side. If you are reasonably confident you can continue safely, choose the path that will allow you to go straight over the obstacle to minimize the quadricycle tipping sideways. Go only fast enough to maintain your momentum, but still give yourself plenty of time to react to changes in conditions. If there is any question about your ability to maneuver safely over the obstacle, you should turn around if the ground is flat and you have the room, or back up until you find a less difficult path.

Abrupt application of the accelerator pedal can cause the tires to lose traction, reducing control of the quadricycle and increasing the possibility of an accident, especially while on sloped terrain or while crossing obstacles such as rocks or logs.

Operating on Public Roads
If your Quadricycle is registered with a license plate as for public use road, anyway, operating this Quadricycle on mayor public streets could result in a collision with another vehicle.
Never operate this Quadricycle on highway see your locals law concerning the category of your Quadricycle and where you can use it.
Quadricycles are allowed only on secondary road with a limited speed, respect all the rules.
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Improperly operating on hills can cause loss of control, rollover, or accident, which can lead to serious injury or death. Use extra care when operating on hills. Plan for rough terrain, ruts, and other changes in traction and terrain.

Driving up hills
Check the terrain before ascending a hill and make sure it is not too slippery or loose. Engage all-wheel drive for hills. Drive straight uphill, keeping speed and throttle steady. Avoid steep hills which can cause the Quadricycle to overturn.

Recovering from stalling on a hill
If the Quadricycle loses forward speed, apply the brakes gradually and stop. Do not attempt to turn the Quadricycle around. Instead, shift to reverse and allow the Quadricycle to slowly roll straight downhill. Apply light brake pressure to control speed.

Overtopping a hill
Slow down when you reach the crest of a hill. Never blindly go over the crest of a hill or a drop off at high speed. An obstacle, a sharp drop, or another Quadricycle or person could be on the other side of the hill.

Driving down hills
Check the terrain before descending a hill and make sure it is not too slippery or loose. Engage all-wheel drive and proceed slowly, applying the brakes lightly. Never descend a hill with the transmission in neutral or if the engine is turned off.

Avoid side hilling (riding across slopes)
If unavoidable, proceed slowly and with extra caution. Avoid obstacles and changes in terrain that could cause the Quadricycle to tip or slide. If it feels like the Quadricycle begins to tip or slide, immediately turn downhill.

Riding near wooded areas or brush
Use extra caution when operating near trees, particularly when operating on narrow trails. Tree branches or brush can be driven into the cab striking or stabbing occupants.

Riding in snow
Always keep the brake and accelerator pedals free of snow and ice. Apply the brakes frequently to prevent ice or snow accumulation on the brake pads which can reduce brake performance.

Riding on ice
Never operate the quadricycle on a frozen body of water unless you have verified that the ice can support the weight of the quadricycle. Severe injury or death can result if the quadricycle falls through the ice.

Riding in water / Falling into water
Operating through deep or fast-flowing water can cause loss of traction, loss of control, overturning, or being swept away in water. You can be seriously injured or killed from entrapment and drowning. Never operate the quadricycle in fast-flowing water or in water that exceeds the floor level of the quadricycle. Avoid sharp drop-offs and large rocks. Choose a path that provides an entrance and exit point with gradual inclines. 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.

Riding on sand dunes
Use extra caution when operating on or near dunes. Be alert for changes in terrain. Never blindly go over the crest of a hill or a drop-off at high speed. An obstacle, a sharp drop, or another quadricycle or a person could be on the other side of the hill.

Riding in low-visibility conditions
Use extra caution and drive slowly in conditions of reduced visibility such as fog, rain, and darkness.

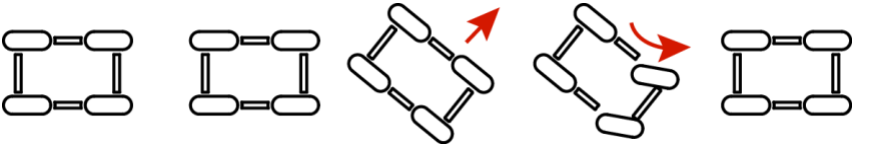
Plan ahead to avoid the need for evasive maneuvers, such as swerving.
Hitting an obstacle — including wildlife — you are not ready for can be dangerous. Choosing to swerve instead can be even more dangerous because it can lead to loss of control, rollover, or collisions.

When operating in areas with possibility of wildlife appearing in your path, plan ahead to avoid swerving for animals if doing so could result in collisions or rollovers. Go slowly or avoid driving during seasons or times of day when animals such as deer are more likely to cross your path without warning.

Avoid Collisions With Other Quadricycles
When following another quadricycle or operating in the same area as others, keep a safe distance to avoid collisions. Allow extra space when sight distances are limited by dust, snow, curves, hills, or other conditions. Plan ahead to avoid having to swerve or leave the trail to avoid a collision.

On trails, be prepared to make space for other quadricycles to pass. If you need to stop on a trail, move your quadricycle to the edge of the path to allow others to pass safely.

Correct a skid by turning the steering wheel in the direction of the skid.
Never apply the brakes during a skid.



If the quadricycle begins to slide downhill or you feel it may tip, turn downhill immediately and stop. Maneuver slowly and carefully until you can drive straight downhill.

Do not continue driving if your quadricycle may be damaged or if you were in a crash or rollover.
Operating the quadricycle while damaged or after a crash or rollover can cause loss of control, rollover, or accident, which can lead to serious injury or death. If you cannot safely transport the quadricycle on your own, contact a recovery and towing service.

After any crash, rollover, or other accident, have a EGIMOTORS dealer inspect the quadricycle for possible damage, including seat belts, ROPS, brakes, suspension, and steering systems.

Be prepared in case your quadricycle becomes damaged or disabled, especially in remote areas. Consider in advance how to get help and stay safe until it arrives whenever you ride.

There is a recovery tow loop at the front and back of the quadricycle to attach a winch or strap.
Use these loops to recover this quadricycle if it is stuck, to pull it onto a tow truck, trailer, or to use this quadricycle to recover another quadricycle. These loops are for emergency recovery only and are not for towing quadricycles to another location.

Improper recovery may lead to loss of control or quadricycle damage. Only attach straps to specified locations. Do not attach to any other point on the quadricycle. Only recover a quadricycle of equal or lesser size and weight. When recovering a disabled quadricycle, place the disabled quadricycle's transmission in neutral. Do not move a disabled quadricycle faster than 16 km/h.

Operating, Idling, Or Parking Near Combustible Materials
Engine, exhaust, and other quadricycle components can be very hot during and after use. Do not idle or park the quadricycle over anything that could contact the exhaust system and catch on fire, such as tall grass, weeds, brush, leaves, debris, or other tall ground cover. Do not let mud, grass, or other debris accumulate on the engine or exhaust system. Inspect and remove as needed.

Quadricycle rollaway can cause serious injury or death. This quadricycle can roll whenever the gear selector is not in the PARK (P) position. Always shift to PARK
(P) when stopping the engine or leaving the quadricycle. When leaving the quadricycle on an incline is unavoidable, use extra care. If leaving the quadricycle unattended, block the rear wheels on the downhill side and keep children, pets, and others away from the gear selector.

Before shifting into reverse, use extra care to make sure the area is clear of people or obstacles. When it's safe to proceed, back slowly.

After operation, inspect the quadricycle for damage and debris to make sure the quadricycle can be safely stored and operated again. Some things to inspect include:

- Debris that could catch fire, such as mud/grass near the engine or exhaust system
- Damage to the suspension, steering, or any other part of the quadricycle
- Tire condition, such as tread and sidewall damage
- Shock absorber assembly condition

Be sure to have any issues checked and problems fixed before operating again.

All engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, dizziness, drowsiness, nausea, confusion, and eventually death. Carbon monoxide is a colorless, odorless, tasteless gas which may be present even if you do not see or smell any engine exhaust. Deadly levels of carbon monoxide can collect rapidly, and you can quickly be overcome and unable to save yourself. Also, deadly levels of carbon monoxide can linger for hours or days in enclosed or poorly ventilated areas. If you experience any symptoms of carbon monoxide poisoning, leave the area immediately, get fresh air, and SEEK MEDICAL TREATMENT.

- Do not run engine indoors. Even if you try to ventilate engine exhaust with fans or open windows and doors, carbon monoxide can rapidly reach dangerous levels.
- Do not run engine in poorly ventilated or partially enclosed areas such as barns, garages, or carports. If you start a quadricycle in one of these, drive it out and close the door as soon as possible. If you drive it into one of these, turn it off as soon as possible.
- Do not run engine outdoors where engine exhaust can be drawn into a building through openings such as windows and doors.

The above list of hazards and overturning risk is not exhaustive.

TOWING

⚠ WARNING

Towing improperly can alter quadricycle handling and may cause loss of control or brake instability.

This *RZR* quadricycle can tow quadricycles ONLY of equal or lesser size and weight.

When towing a disabled *RZR* quadricycle, place the disabled quadricycle's transmission in neutral. Do not operate the quadricycle faster than 16 km/h when towing.

IMPORTANT

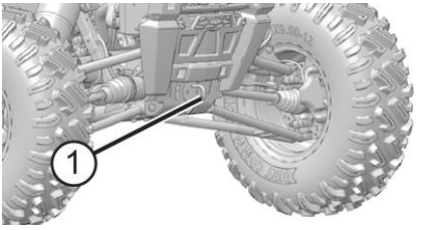
When using a trailer or machine-mounted trailer, always strictly follow the instructions outlined in the trailer's operator's manual before towing. Never tow trailers unless all respective instructions have been followed.

TOWING A RZR

Towing this quadricycle is not recommended. Always transport the quadricycle on a trailer or flatbed with all four wheels off the ground. See the Transporting the Quadricycle section for details.

If towing a disabled quadricycle is unavoidable, place the disabled quadricycle's transmission in neutral. Tow the shortest distance possible. Do not operate faster than (16 km/h)

1 Front Tow Loop (Tractor Models Only)



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. Always inspect the underside of the quadricycle and areas near the exhaust system after driving through tall grass, weeds, brush, and other tall ground cover. Promptly remove any grass or debris clinging to the quadricycle.

LIGHTNING AND POWERLINES

Avoid operating this quadricycle when lightning could occur or near powerlines. Rubber tires, rubber handgrips, and a foam seat will not protect a rider from lightning strikes or electrical surges. Always seek safe shelter when lightning is imminent and keep a safe distance from powerlines.

For more information about safety, contact an authorized EGIMOTORS dealer or visit the EGIMOTORS web site at www.Egimotors.it

FORESTRY APPLICATION AND CROP SPRAYING

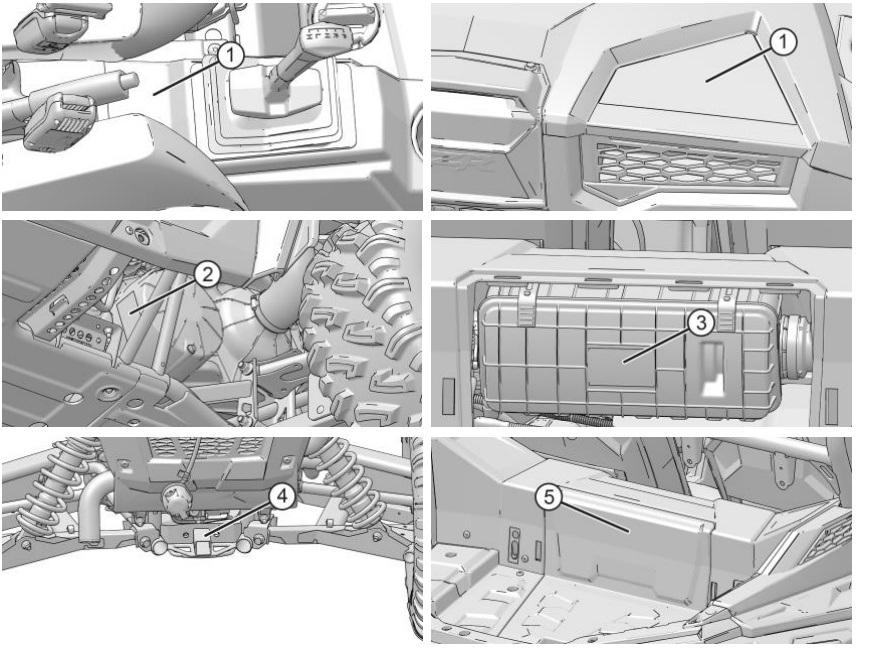
This quadricycle does not have a Falling Objects Protective Structure (FOPS). Do not use the quadricycle in forestry application situations where the risk of falling objects may be present.

This quadricycle is not equipped for protection against hazardous substances. It does not offer any protection against substances which are harmful to health. Always wear proper personal protective equipment if this quadricycle is used for crop spraying or other applications requiring the use of hazardous substances.

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.



1 General Alerts

2 Clutch Cover Alert

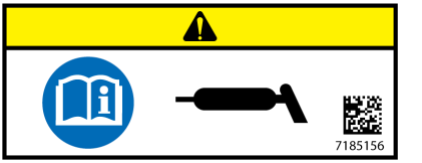
3 Intake Alert

4 Hitch Capacity Alert

5 Load / Tire Pressure Alert

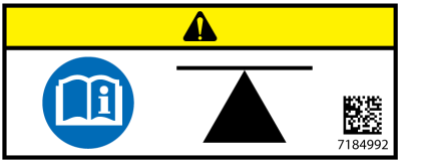
GREASING POINTS ALERT (7185156)

Lubricate as recommended. Read owner's manual.



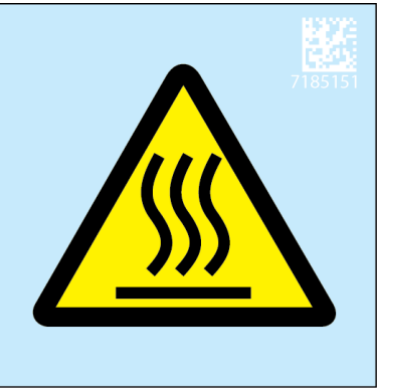
JACKING POINTS ALERT (7184992)

Jacking positions are located beneath the quadricycle's center points. Read the owner's manual.



HOT EXHAUST WARNING

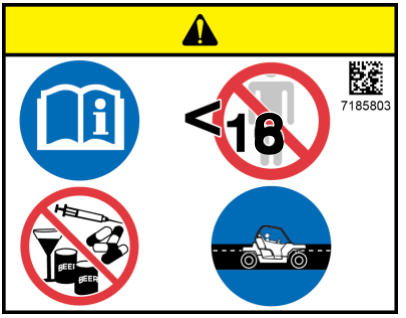
Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.



GENERAL ALERT

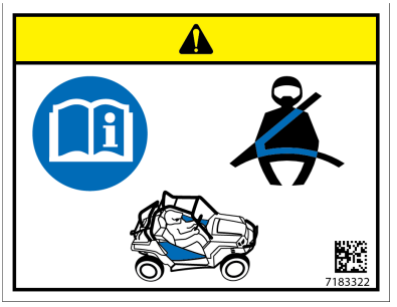
WARNING

Always read the owner's manual.
Never allow anyone under 16 years of age to operate this quadricycle.
Never use alcohol or drugs before or while driving or riding.
This quadricycle is approved for on-road operation.
Part number: 7185803



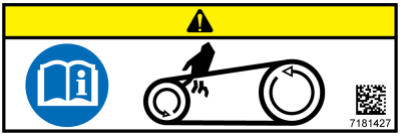
GENERAL ALERT (7183322)

- Always read the owner's manual.
- Always use the cab nets or doors.
- Always wear seat belts.



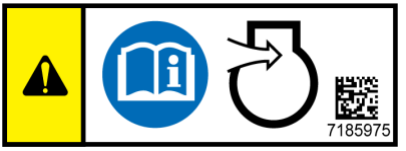
CLUTCH COVER ALERT (7181427)

Read your owner's manual. Keep body parts away from belt.



INTAKE ALERT (7185975)

Use a Egimotors approved air filter. The use of a non-Egimotors approved air filter may cause engine damage. Before installing filter ensure there is no dirt or debris in the clean side of the intake tube. The air filter must be properly seated and the hinges fully inserted when the lid is reinstalled. The intake tube must also be fully seated on the air box and throttle body. Inspect full perimeter if serviced. Clamps at air box and throttle body must be torqued or severe engine damage may occur. Please reference your owner's manual for additional information regarding the air filter service.
Label Location: On the air box.



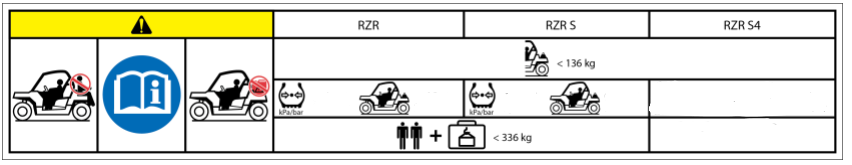
OWNER'S MANUAL ALERT (7185807)

Read the owner's manual.
Label Location: On the fuel tank filler cap.

LOAD / TIRE PRESSURE / PASSENGER ALERT (7190778)

Never carry passengers in cargo box. Passengers can be thrown off. This can cause serious injury or death. Read owner's manual. Never carry or transport fuel on this quadricycle.

Label Location: In the cargo box.

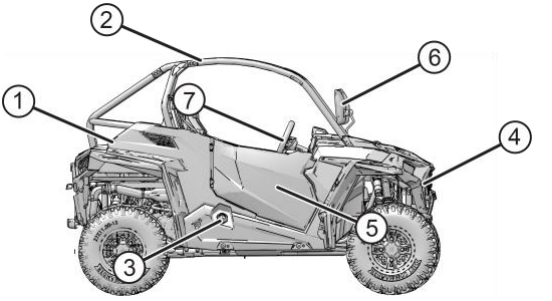


	RZR TRAIL S (Unload)	***RZR TRAIL S (full load)***	
Maximum Cargo Box Load	136 kg		
Tire Pressure (in bar)	Front: 0,8 Rear: 0,9	Front: 69 / 0,69 Rear: 97 / 0,97	
Maximum total load Capacity	336 kg		

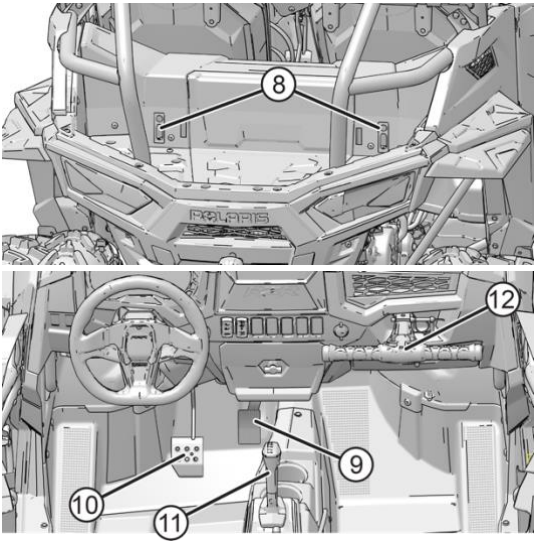
FEATURES AND CONTROLS

COMPONENT LOCATIONS

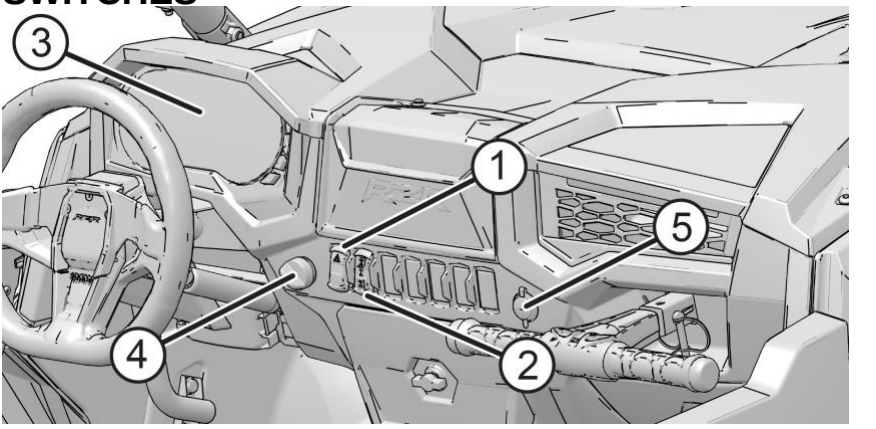
1 Cargo Box
2 ROPS Frame e
3 Fuel Tank Cap 4
4 Radiators
5 Cab Doors
6 Mirrors
7 Steering Wheel



8 Tie-Downs (4 corners)
9 Throttle Pedal
10 Brake Pedal
11 Gear Selector
12 Passenger Hand Hold



SWITCHES



1 Hazard Switch
2 AWD Switch
3 Instrument Cluster
4 Ignition Switch
5 12V Accessory Outlet

AUXILIARY OUTLETS

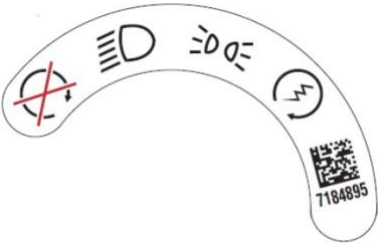
The quadricycle is equipped with one or more 12-volt accessory outlets. One outlet is on the dash, a second outlet (if equipped) is in the rear passenger area. Use the outlets to power an auxiliary light or other optional accessories. For service, the dash outlet connection is under the dash. The rear outlet connection is under the rear passenger seats.

HAZARD 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.

IGNITION SWITCH / LIGHT SWITCH

Use the ignition switch to start the engine and to turn the lights on or off. The key can be removed from the switch when it is in the OFF position.



OFF	Turn the key to the OFF position to stop the engine. Electrical circuits are OFF.
LIGHTS ON	All lights are ON. Electrical circuits are ON. Electrical equipment can be used.
POSITION LIGHTS ON	The headlights are OFF. Position lights are ON. Electrical equipment can be used.
START	Turn the key to the START position to engage the electric starter. See the Starting the Engine section for details.

HIGH BEAM SWITCH

The headlight high beam is controlled by the turn signal lever. To switch the headlights to high beam, push the lever forward. Pull the lever back to switch to low beam.

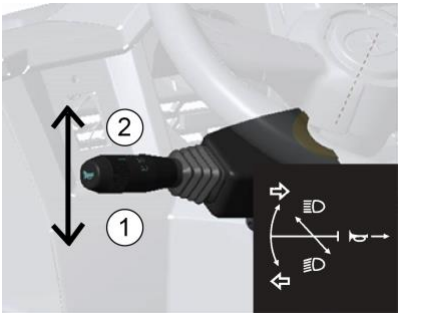
HORN SWITCH

The horn switch is located on the turn signal lever q. Press the tip of the turn signal lever inward to sound the horn.

TURN SIGNAL LEVER

Before turning, activate a turn signal to alert others of your intentions. Check turn signal lamps before each ride.

TIP
The key must be in the ON position to activate the turn signals.



Move the turn signal lever downward q to signal a left turn. The left turn signal lamps in the taillight and below the front headlight will flash. The turn signal indicator in the gauge will also flash.

Move the lever upward w to signal a right turn. The right signal lamps and indicator will flash.

Return the lever to the center position to end the signal.

Activate the horn switch by pressing on the end of the turn signal lever. See the Horn Switch section for details.

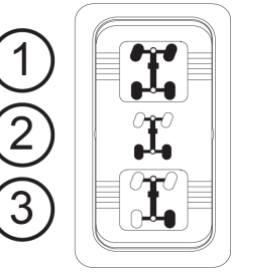
ALL WHEEL DRIVE (AWD) SWITCH

The AWD Switch has either two or three positions, depending on your model's features:

1 All Wheel Drive (AWD)

2 Two Wheel Drive (2WD)

3 Turf Mode / Differential Unlocked (1WD)



See the All Wheel Drive (AWD) System section for operating instructions.

ELECTRONIC POWER STEERING (EPS)

Electronic power steering (if equipped) engages when the ignition key is turned to the ON position. EPS remains engaged whether the quadricycle is moving or idle.

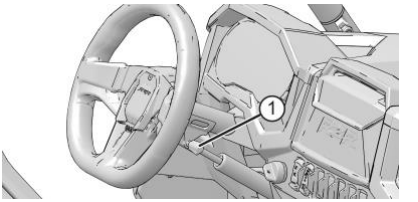
The EPS warning indicator briefly illuminates when the key is turned to the ON position. See the Indicator Lamps section for details.

To conserve battery power, the EPS will shut down 5 minutes after the engine is stopped if the key remains in the ON position. The EPS warning indicator will illuminate to indicate the EPS has shut down.

If the light remains on after starting the engine, the EPS system is inoperative. See your EGIMOTORS dealer, or another qualified person, as soon as possible for repair. Continued operation could result in permanent damage to the EPS unit and increased steering effort.

STEERING WHEEL

The steering wheel can be tilted upward or downward for rider preference. Lift and hold the steering wheel adjustment lever q while moving the steering wheel upward or downward. Release the lever when the steering wheel is at the desired position.



MIRRORS

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

SEATS

NOTE
These seats are designed for this tractor model. Replacement with different seats is not possible.

Before operating the quadricycle, always push down on all seat backs to ensure the latches are secure.

SEAT ADJUSTMENTS

The driver's seat is equipped with an adjustment lever and adjustment knob for optimal spacing.

- Pull the adjustment lever to the left to move the seat forward or rearward. Once released, the lever will lock into place.
- Rotate the adjustment knob to move the seat forward *and* upward or rearward *and* downward.

Driver's Seat
Up Position

Driver's Seat
Down Position

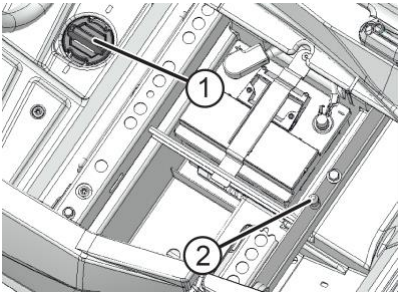
To adjust the front passenger seat, loosen (do not remove) the four screws located on the seat bottom. Slide the seat forward or rearward to the desired position. Tighten the screws to 4 kg .Do not overtighten.

SEAT REMOVAL

1. Pull up on the seat latch lever located under the rear edge of the seat.
2. Tilt the seat forward.
3. Lift the seat upward to remove it from the quadricycle.
4. Reverse this procedure to reinstall the seat. Make sure the seat tabs at the front edge of the seat slide under the seat retainer bar.
5. Press down firmly at the rear of the seat to engage the rear latch.

q Front Seat Retainer

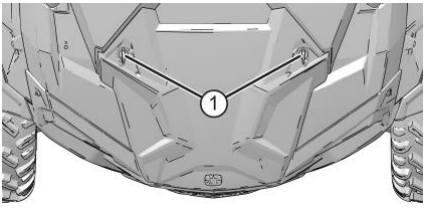
w Seat Latch

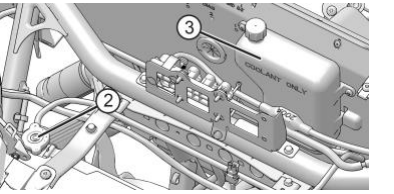


HOOD

Remove the hood to access the radiator pressure cap w and coolant overflow bottle e.

1. Turn the hood fasteners q 1/4 turn.
2. Grasp the upper hood edge and pull upward to disengage the fasteners.
3. Pivot the hood forward and lift upward to disengage the lower hood hooks.
4. Lift the hood away from the quadricycle.

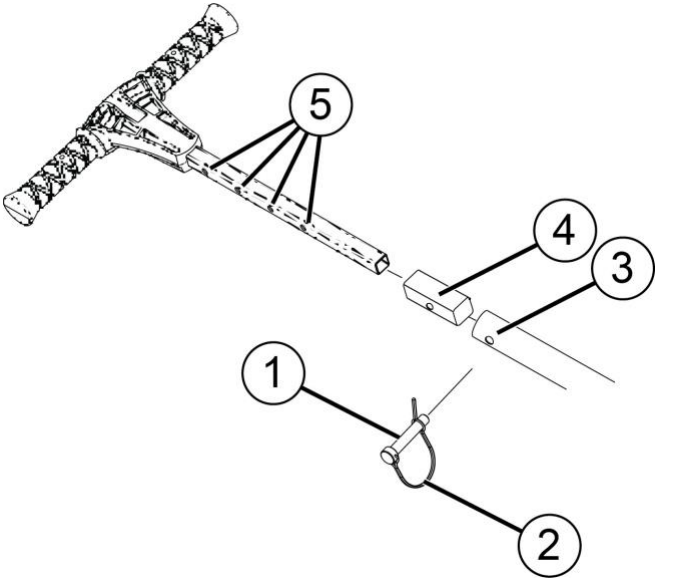




PASSENGER HAND HOLD

Always adjust the hand hold to a comfortable position for your passenger before operating. Make sure the adjustment pin and retainer are securely installed after making adjustments.

1. Remove the retainer q from the end of the adjustment pin w.
2. Remove the pin from the post.
3. Slide the post inward or outward to the desired position.
4. Reinstall the pin through the post mounting hole e, adapter bushing hole r, both post adjustment holes t, and lastly through the remaining bushing hole and post mounting hole.

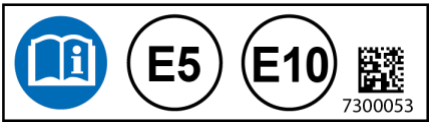


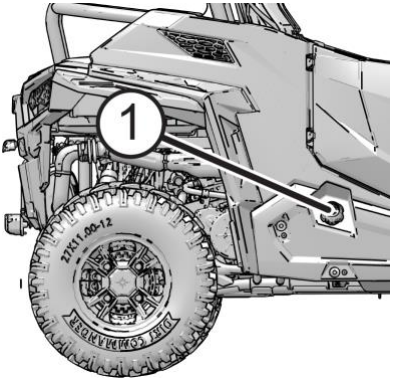
5. Reinstall the retainer to the pin.

FUEL CAP

The fuel tank filler cap q is located on the right-hand side of the quadricycle near the passenger seat. To close, tighten the fuel cap until it clicks twice.

When refueling, always use 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.* E5 or E10 fuels are compatible.

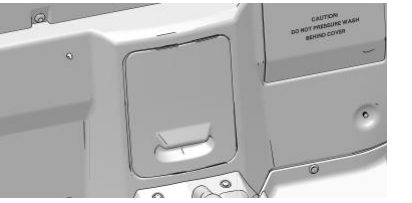




SERVICE ACCESS PANELS

ENGINE ACCESS PANEL

The engine access panel is located behind the seats on the frame of the quadricycle. Remove the seats and remove the access panel to reach serviceable engine components.



CARGO BOX ACCESS PANEL

The cargo box access panel is located on the floor of the cargo box. Remove the panel to access the engine oil fill cap, spark plugs and air filter.

CAB DOORS

This quadricycle is equipped with cab doors. Riding in this quadricycle without closed and latched cab doors increases the risk of serious injury or death in the event of an accident or rollover. Always make sure all cab doors are closed and latched when riding in this quadricycle.

Always inspect doors and latches for wear and damage before each use of the quadricycle.

Promptly replace any worn or damaged parts with new parts available from your authorized EGIMOTORS dealer or qualified person.

SEAT BELTS

This EGIMOTORS quadricycle is equipped with seat belts for all riders. Always make sure the seat belts are secured for the operator and all passengers before riding. The driver's seat belt is equipped with a seat belt interlock. Quadricycle speed will be limited to 24 km/h (15 MPH) if the seat belt is not secured.

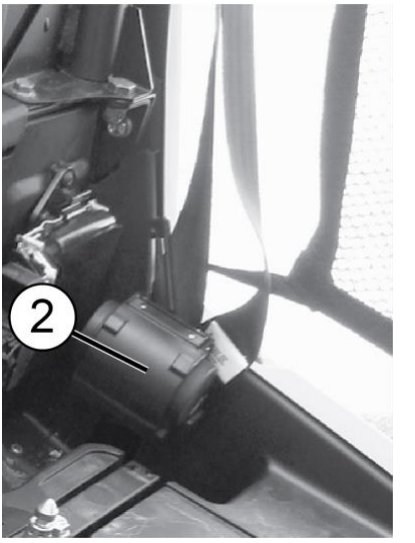
3-POINT SEAT BELT

To wear the 3-point seat belt properly, follow this procedure:

1. Pull the seat belt latch downward and across your chest toward the buckle at the inner edge of the seat. The belt should fit snugly across your hips and diagonally across your chest. Make sure the belt is not twisted.
2. Push the latch plate into the buckle until it clicks. Pull up on the strap to tighten.
3. Press the red release latch on the buckle to release the seat belt.

SEAT BELT INSPECTION

Inspect all seat belts for proper operation before each use of the quadricycle.



1. Push the latch plate into the buckle until it clicks. The latch plate must slide smoothly into the buckle. A click indicates that it's securely latched.
2. Push the red release latch in the middle of the buckle to make sure it releases freely.
3. Pull each seat belt completely out and inspect the full length for any damage, including cuts, wear, fraying or stiffness. If any damage is found, or if the seat belt does not operate properly, have the seat belt system checked and/or replaced by an authorized EGIMOTORS dealer or other authorized person.
4. To clean dirt or debris from the seat belts, sponge the straps with mild soap and water. Do not use bleach, dye or household detergents. Rinse the entire length of the belt webbing. Use a garden hose to flush out the latch (1) and retractor (2) housings regularly.

GEAR SELECTOR

P: Park

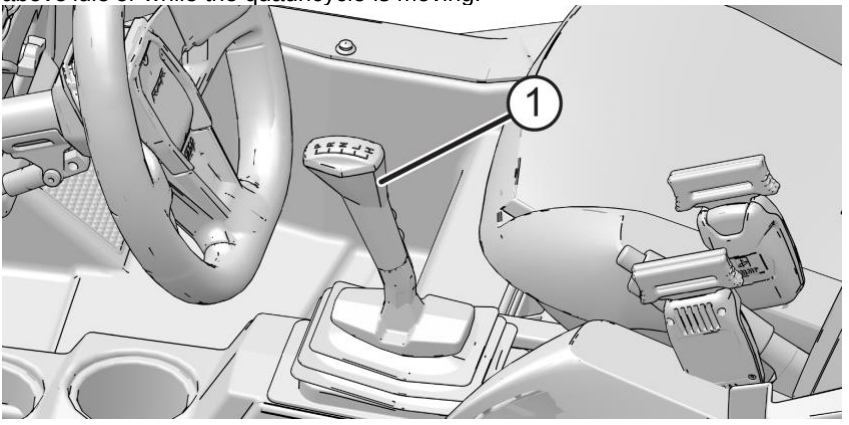
R: Reverse

N: Neutral

L: Low Gear

H: High Gear

To change gears, stop the quadricycle, and with the engine idling, move the lever 1 to the desired gear. Do not attempt to shift gears with engine speed above idle or while the quadricycle is moving.



TIP
Maintaining shift linkage adjustment is important to assure proper transmission function. Your EGIMOTORS dealer or qualified person can assist in resolving any shifting problems.

NOTICE
Do not attempt to shift the transmission while the quadricycle is moving or damage to the transmission could result. Always shift when the quadricycle is stationary and the engine is at idle.

USING LOW RANGE

Always shift into low gear for any of the following conditions:

- Operating in rough terrain or over obstacles
- Loading the quadricycle onto a trailer
- Towing heavy loads

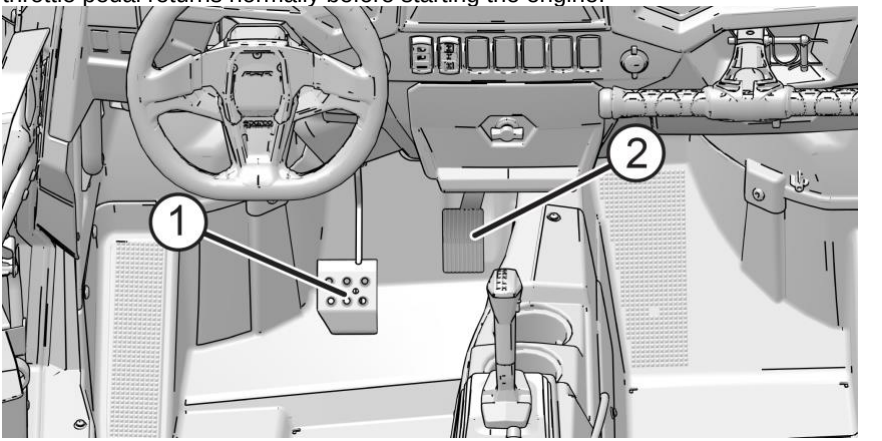
BRAKE AND THROTTLE PEDALS

BRAKE PEDAL

Depress the brake pedal 1 to slow or stop the quadricycle. Apply the brakes while starting the engine.

THROTTLE PEDAL

Push the throttle pedal w down to increase engine speed. Spring pressure returns the pedal to the rest position when released. Always check that the throttle pedal returns normally before starting the engine.



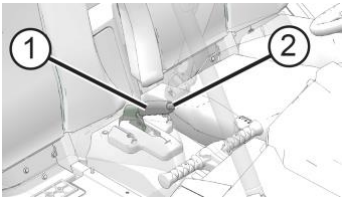
TIP
If the throttle pedal and brake pedal are applied simultaneously, engine power may be limited.

PARK BRAKE LEVER (IF EQUIPPED)

Always apply the service brakes before engaging or releasing the park brake. To help prevent the quadricycle from rolling, set the park brake when parking the quadricycle. When the park brake is set and the park brake indicator is illuminated, engine speed is limited. If the accelerator is applied, this limiting feature prevents operation, which protects the park brake pads from excessive wear.

TIP
This feature will not operate properly if the park brake connector or switch malfunctions or becomes disconnected, or if the switch has moved. Check for disconnection, then see your dealer promptly if this feature fails to operate properly.

1. To set the park brake, apply the brakes.
2. Pull the park brake lever q upward as far as possible.
3. To release the park brake, apply the brakes. Press the park brake release w inward and move the lever downward as far as possible.



ROLLOVER PROTECTIVE STRUCTURE (ROPS)

The Rollover Protective Structure (ROPS) on this quadricycle meets OECD Code 4 rollover performance requirements. Always have your authorized EGIMOTORS dealer thoroughly inspect the ROPS if it ever becomes damaged in any way.

No device can assure occupant protection in the event of a rollover. When used with seat belts and cab nets or doors, the ROPS helps prevent occupants from being ejected from the quadricycle. Always follow all safe operating practices outlined in this manual to avoid quadricycle rollover.

WARNING

Quadricycle rollover could cause severe injury or death. Always avoid operating in a manner that could result in quadricycle rollover.

ALL WHEEL DRIVE (AWD) SYSTEM

The All Wheel Drive system is controlled by the AWD switch. The switch has three positions, AWD (4x4) - 2WD (2x4) - Turf Mode (1x4)

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.

To change mode push the button until you reach the mode of traction preferred

1 All Wheel Drive (AWD)

When the switch is on AWD, the quadricycle is in all wheel drive and the 4X4 indicator in the instrument cluster will be on.There is no limit to the length of time the quadricycle may remain in AWD, the light will be Red

2 Two Wheel Drive (2WD)

When the switch is on 2X4, the quadricycle is in two-wheel drive at all times, only the rears wheels will have traction and the light will be off.

3 Turf Mode / Differential Unlocked (1WD)

When the key is turned on automatically the light green will appear, and the Quadricycle will be positioned to 1 wheel drive mode.

ENGAGING AWD

The AWD switch may be turned on or off while the quadricycle is moving. Initially, the quadricycle's electronic system will not enable the AWD until the engine RPM is below 3100. Once enabled, the AWD remains enabled until the AWD 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.

Engage the AWD switch before getting into conditions where front wheel drive may be needed. If the rear wheels are spinning, release the throttle before switching to AWD.

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

DISENGAGING AWD

Push the switch to disengage AWD, when the Red light will be off your quadricycle will be in the 2 wheel drive mode.

If the switch pushed off while the front hubs are driving, they will not release until the rear wheels regain traction.

In some situations, the front gearcase may remain locked after turning the AWD mode is switched off. If this occurs, you may notice increased steering effort and some quadricycle speed restriction. Perform the following procedure to unlock the front gearcase.

1. Stop the quadricycle.
2. Operate in reverse for at least (3 m).
3. Stop completely.
4. Shift into low gear and drive forward.
5. If the front gearcase remains locked after following these instructions, see your dealer for service.

LOCKING/UNLOCKING THE REAR DIFFERENTIAL

NOTICE
Damage to the differential can occur if it is engaged while the quadricycle is traveling at high speeds or while the rear wheels are spinning. Slow the quadricycle to nearly stopped before engaging the differential.

HITCHES

⚠ WARNING

Whenever the quadricycle is towing, always stay clear of the area between the quadricycle and the towed object. Failure to do so may result in serious injury or death.

REAR HITCH

⚠ WARNING

Strictly follow the instructions outlined in the operator's manual of the mounted or trailed machinery or trailer, and not to operate the combination tractor — machine or tractor — trailer unless all instructions have been followed.

NOTICE

After 1000 km of use, tighten the bolt holding the trailer ball to the hitch to 445 N·m.

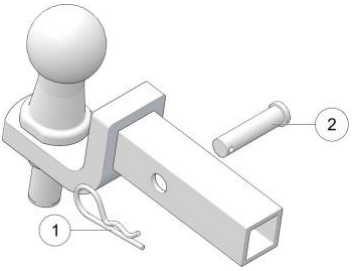
Use the rear hitch for towing a trailer. The values given below pertain to factory-installed hitches and are provided for informational purposes only.

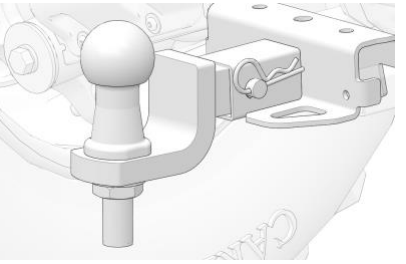
IMPORTANT

For quadricycle-specific trailering values, see the Specifications chapter. The quadricycle-specific values take precedent if they are lower than the component values shown below.

REAR HITCH COMPONENT SPECIFICATIONS	
Maximum Vertical Load (S)	60 kg
Maximum Towable Mass	600 kg

HITCH REMOVAL / INSTALLATION

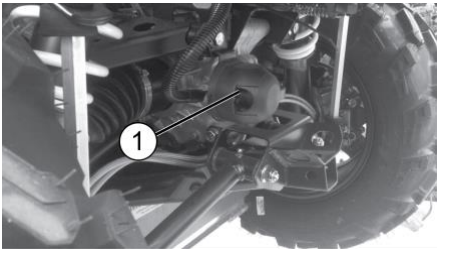




1. To remove the hitch (if equipped), remove the cotter pin 1 and hitch pin 2. Remove the hitch, then reinstall the hitch pin w and secure the cotter pin q.
2. To install the hitch, remove the cotter pin 1 from the hitch pin and remove the hitch pin 2.
3. Install the hitch to the receiver.
4. Reinstall the hitch pin (from the left side of the hitch) through the bore of both the receiver and the hitch.
5. Reinstall the cotter pin. Make sure the hitch assembly is secure at that the cotter pin is properly engaged over the hitch pin.

7-WAY TRAILER CONNECTOR

The 7-way trailer connector (if equipped) 1 installed on your quadricycle meets the requirements of European standard ISO 1724.
This connector uses all 7 pins on newer model trailers. An older model trailer may not be compatible with this connector.
Improper electrical wiring changes can result in damage to both quadricycle and trailer components. When in doubt about your trailer connection, please contact a qualified tow-bar specialist for assistance.



INSTRUMENT CLUSTER

NOTICE
High water pressure may damage components. Wash the quadricycle by hand or with a garden hose using mild soap. Certain products, including insect repellents and chemicals, will damage the speedometer lens and other plastic surfaces. Do not use alcohol or cleaning products containing alcohol to clean the instrument cluster. Do not allow insect sprays to contact the lens. Immediately clean off any gasoline that splashes on the instrument cluster.

1 Speedometer
2 Tachometer
3 Indicator Lamps
4 Mode Button
5 Toggle Buttons
6 Rider Information Center

SPEEDOMETER

The speedometer displays quadricycle speed in either miles per hour (MPH) or kilometers per hour (km/h).

TACHOMETER

The tachometer displays engine speed in revolutions per minute (RPM).

MODE AND TOGGLE BUTTONS

Press and hold the MODE button r to enter or exit the settings menu. Press and release the MODE button to cycle through Area 1 modes and to select an item.

Press and release either toggle button t to cycle through the options menu or Area 2 modes. Press and hold either toggle button to reset an item. See page 62.

TIP
With the ignition key off, pressing the MODE button or either toggle button will power up the Rider Information Center for 10 seconds to allow viewing of the odometer and the clock.

INDICATOR LAMPS

LAMP	INDICATES	CONDITION
MPH	Quadricycle Speed	When standard mode is selected, speed displays in miles per hour.
km/h		When metric mode is selected, speed displays in kilometers per hour.
	Turn Signal / Hazard Signals	The turn signals are located at the top center of the instrument cluster. Arrows flash when either a turn signal or the hazard signal is activated. *If a lamp fails, or if there is a short circuit in the signal system, the lamp flashes at more than twice the normal rate.*
	Low Battery Voltage	This lamp illuminates when battery voltage is low (or when voltage is above the normal range). Turn non-essential accessories off to conserve power. Make sure the charging system is operating properly.
	Over Temperature	This lamp illuminates to indicate an overheated engine. If the indicator flashes, the overheating condition remains, and the system will automatically reduce engine power.
	EPS Warning (if equipped)	This indicator illuminates briefly when the key is turned to the ON position. If the light remains on, the EPS system is inoperative. See your EGIMOTORS dealer, or other qualified person, as soon as possible for repair. Continued operation could result in permanent damage to the EPS unit and increased steering effort.
	Chassis Warning	If a fault condition is detected, the light will remain on as long as the condition exists. Retrieve the error codes for diagnosis. This lamp is also known as an Amber Warning Lamp (AWL).
	Check Engine	*If this lamp illuminates while the engine is running, promptly contact an authorized dealer or another qualified person who can assist with diagnosis.* If abnormal engine operation is detected the light will remain on as long as the fault condition exists. Retrieve the error codes for diagnosis. See the Error Codes section for details. This lamp is also known as a malfunction indicator lamp (MIL).

LAMP	INDICATES	CONDITION
	Seat Belt	The seat belt lamp illuminates whenever the quadricycle is in ignition state and the driver's seat belt is not fastened.
	High Beam	This lamp illuminates when the headlamp switch is set to high beam.
	Park Brake Engaged	This lamp illuminates when the park brake is engaged. If it illuminates when the park brake is NOT engaged, your dealer can inspect the quadricycle and perform service
	Low Fuel	This lamp illuminates when approximately one gallon (3.8 liters) of fuel remains in the fuel tank.
	Trailer Indicator	The Turn Trailer Indicator is illuminating when the trailer turn signals are active.
	Anti-Lock Brake System (if equipped)	Your dealer can assist if this lamp remains on. When the lamp is illuminated, the anti-lock brakes will not activate, but the conventional brake system will continue to operate normally.
	Brake Failure	This lamp illuminates if a brake component is not operating properly. Do not operate the quadricycle. Inspect brake fluid levels. Your dealer can inspect the quadricycle and perform service.

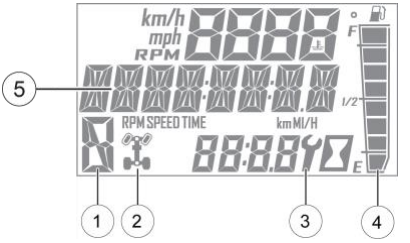
LAMP	INDICATES	CONDITION
	Cruise Control Engaged (if equipped)	Before using the cruise control, read the safety and operation procedures.
	Performance Limited (if equipped)	Not applicable.

RIDER INFORMATION CENTER

The rider information center is located in the instrument cluster. All segments will light up for one second at start-up.

If the instrument cluster fails to illuminate, a battery over-voltage may have occurred and the instrument cluster may have shut off to protect the electronic speedometer. If this occurs, your EGIMOTORS dealer can provide proper diagnosis.

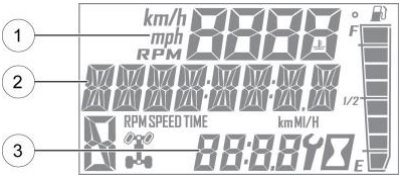
The information center is set to display standard units of measurement and a 12-hour clock at the factory. To change to metric and/or a 24-hour clock, see the Clock section.



1	Gear Indicator	This indicator displays gear shifter position H = High Gear L = Low Gear N = Neutral R = Reverse Gear P = Park – = Gear Signal Error (or shifter between gears)
2	AWD Indicator	This indicator shows whether 2X4 or AWD is active when the quadricycle is in gear.
3	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 65 for resetting instructions.
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. The outline of the fuel display will flash. Refuel immediately.
5	Speed Limitation (if equipped)	This quadricycle may be equipped with a maximum speed limitation function. This would be displayed on the screen as “LIM” followed by the speed. “LIM 30” for example.

MODE INFORMATION DISPLAYS

The rider information center contains three areas that display mode information.



1 **Area 1 Modes**	**Description**
Engine Temperature	Temperature of engine coolant
Quadricycle Speed	Speed of quadricycle
Tachometer	Engine speed (RPM)
2 **Area 2 Modes**	**Description**
Odometer	The odometer records and displays the distance traveled by the quadricycle.
Trip Meters (T1/T2)	A trip meter records the distance traveled by the quadricycle if reset before each trip. To reset, see page 64.
Engine Hours	Total hours of engine operation since manufacture
Service Hours	A flashing wrench symbol indicates that the preset service interval has been reached. To reset, see page 65.
Trip Time	Time length of quadricycle operation since mode was last reset
3 **Area 3 Modes**	**Description**
Clock	The clock displays time in a 12-hour or 24-hour format. To reset, see page 63.

ACCESSING MENUS AND OPTIONS

GAUGE SETTINGS MENU

Press and release the MODE button to cycle through the Area 1 modes until the desired default mode displays. See the Mode Information Displays section for details.

Press and hold the MODE button to enter the settings menu.

The OPTIONS screen will display for a few seconds.

1. Press and release either toggle button to cycle to the desired option.
2. Press MODE to select the option.
3. Press either toggle button to cycle to the desired setting.
4. Press MODE to save and exit to the settings menu.
5. Press and hold the MODE button to exit the settings menu.

BACKLIGHT COLOR

The information center backlight can be set to either blue or red.

1. Press and hold the MODE button to enter the settings menu.
2. Press either toggle button to cycle to the “BL COLOR” option. Press MODE to select.
3. Press either toggle button to cycle to the desired setting.
4. Press MODE to save and exit to the settings menu,

BACKLIGHT BRIGHTNESS

The information center backlight can be set to either blue or red.

1. Press and hold the MODE button to enter the settings menu.
2. Press either toggle button to cycle to the “BL LEVEL” option. Press MODE to select.
3. Press “UP” button to increase brightness. Press “DOWN” button to decrease brightness.
4. Press MODE to select and exit to the settings menu.

CLOCK

The clock must be reset any time the battery has been disconnected or discharged.

1. Press and hold the MODE button to enter the settings menu.
2. Press either toggle button to cycle to the “CLOCK” option. Press MODE to select.
3. Press either toggle button to cycle to the desired setting (12H or 24H). Press MODE to select.
4. Press either toggle button to change each segment of the clock. Press MODE to accept a change and advance to the next segment.

DISPLAY UNITS (STANDARD/METRIC)

1. Press and hold the MODE button to enter the settings menu.
2. Press either toggle button to cycle to the desired “UNITS” option (distance, temperature or volume). Press MODE to select.
3. Press either toggle button to cycle to the desired setting.
4. Press MODE to save and exit to the settings menu.

TRIP METER

Use a trip meter to track the distance traveled during a specific trip or period of time. Reset the meter to zero before traveling.

1. Press either toggle button to cycle to the desired trip meter option (T1 or T2).
2. Press and hold either toggle button until the meter resets to zero.

TRIP TIME

Use a trip time meter to track the travel time during a specific trip. Reset the meter to zero before traveling.

1. Press either toggle button to cycle to the trip time option (TT).
2. Press and hold either toggle button until the meter resets to zero.

PROGRAMMABLE SERVICE INTERVAL

The service interval counter is programmed to 25 hours at the factory. As hours of engine operation increase, the counter decreases. The wrench icon will flash for about 10 seconds when the counter reaches zero (0), and each time the key is turned on thereafter, until the counter is reset.

When this feature is enabled, it provides a convenient reminder to perform routine maintenance. Refer to the Periodic Maintenance Chart for recommended service intervals.

Use the following procedure to reset or change the service interval.

1. Press and hold the MODE button to enter the settings menu.
2. Press either toggle button to cycle to the “Service Hours” option. Press MODE to select.
3. Press MODE to reset the existing value and exit, or press either toggle button to change the value. Press MODE to save and exit to the settings menu.

PIN ACTIVATED SECURITY SYSTEM (IF EQUIPPED)

The Pin Activated Security System (P.A.S.S.) allows you to safely lock and unlock your quadricycle from the gauge screen.

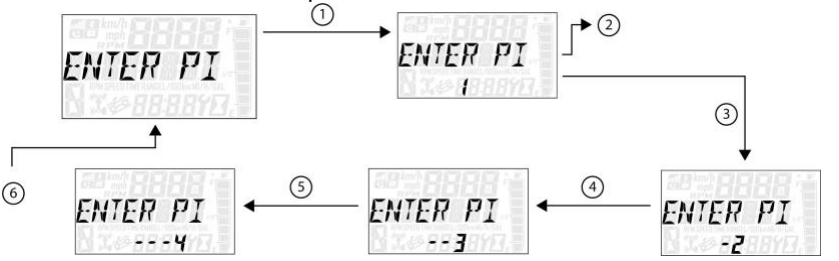
1. Press and hold the MODE button to enter the Options Menu.

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

2. Select "ADVANCED MENU" by pressing the MODE button.
3. If a PIN has already been set, enter PIN. If not, you will be prompted to enter a new one.

NOTICE
If PIN is lost or displaced please contact your Egimotors dealer for assistance.

4. To enter PIN, follow these steps:



Reference the image shown above:

q Press the MODE button.

w Toggle the Up/Down buttons to increase/decrease the first digit.

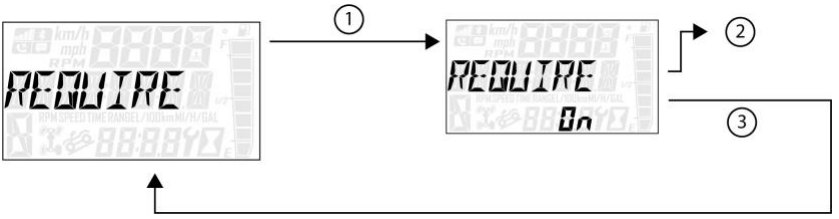
e Press the MODE button to set the first digit, moving to the next.

r Toggle the Up/Down buttons, then press the MODE button to continue. t

Toggle the Up/Down buttons, then press the MODE button to continue. y

Toggle the Up/Down buttons, then press the MODE button to exit.

5. To require a PIN for your quadricycle to start, select “REQUIRE PIN TO START” from the Advanced Menu using the following steps:



Reference the image shown above:

q Press the MODE button.

w Toggle the Up/Down buttons to view “ON” or “OFF”.

e Press the MODE button to select and return to the Advanced Menu.

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

7. To change the PIN, disable the “REQUIRE PIN TO START” function, as detailed in Step 5. Exit the Advanced Menu. Return to the Advanced Menu and then re-enable the “REQUIRE PIN TO START” function. You will be prompted to enter a new PIN as detailed in Step 4.

NOTE
The gauge will lock after 5 incorrect PIN entries. To unlock the gauge, power cycle the quadricycle using the key ignition switch.

ENGINE ERROR CODES

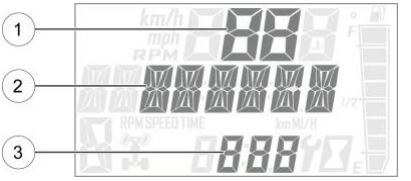
The error screen displays only when the CHECK ENGINE indicator is on or when it goes on and off during one ignition cycle. Error codes are not stored. When the key is turned OFF, the code and message is lost, but will reappear if the fault reoccurs after restarting the engine.

If the CHECK ENGINE lamp or the EPS lamp illuminates, retrieve the active error codes from the display.

q Failure Mode Indicator (FMI)

w Suspect Parameter Number (SPN)

e Code Count



1. Press and hold the MODE button to enter the settings menu.
2. Press either toggle button to cycle to the “DIAGCODE” option. Press MODE to select.
3. More than one diagnostic code may be present. Press the toggle UP button to see if more codes are present. Press MODE to select a code.

NOTICE
If the displayed code is an engine fault code, the CHECK ENGINE lamp will blink. If the displayed code is an EPS fault code, the EPS lamp will blink.

4. Record the three (3) numbers displayed.
5. Press MODE to exit to the settings menu.

OPERATION

QUADRICYCLE BREAK-IN

ENGINE AND DRIVETRAIN BREAK-IN

1. Fill the fuel tank with the recommended fuel. See the Refueling section for details. Always exercise extreme caution whenever handling fuel.
2. Check the oil level. See the Oil Check section for details. Add the recommended oil as needed to maintain the oil level in the safe operating range.
3. Avoid aggressive use of the brakes.
4. Vary throttle positions. Do not operate at sustained idle.
5. Perform regular checks on fluid levels, controls and areas outlined on the daily pre-ride inspection checklist.
6. Carry only light loads.
7. During the break-in period, change both the oil and the filter at 25 hours, one month, or 500 miles, whichever comes first.
8. Check fluid levels of transmission and all gearcases after the first 25 hours of operation and every 50 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)

A proper break-in of the clutches and drive belt will ensure a longer life and better performance. If a belt fails, always clean any debris from the duct and from the engine compartment.

STANDARD BREAK-IN

Drive at slower speeds for the first 50 miles (80 km) of operation. Carry only light loads. Avoid aggressive acceleration, high-speed operation and prolonged operation at a specific RPM during this period.

SAND / DUNE BREAK-IN

Drive in low gear for the first 5 miles (8 km) of operation. Avoid prolonged low speed operation at high throttle. Avoid aggressive acceleration, high-speed operation and prolonged operation at a specific RPM during this period.

BELT LIFE

To extend belt life, use low gear in the following conditions:

- When hauling or towing heavy cargo
- When consistently operating at speeds less than 35 MPH (56 km/h) in hard-pulling terrain, such as mud, rocks or sand/dune environments.

OPERATING GUIDELINES

STARTING THE ENGINE

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

1. Position the quadricycle on a level surface outdoors or in a well- ventilated area.
2. Sit in the driver's seat and fasten the seat belt. Always make sure all cab doors are closed and latched when riding in this quadricycle.
3. Place the transmission in PARK.
4. Apply the brakes. Do not press the throttle pedal while starting the engine.
5. Turn the ignition key past the ON/RUN position and release immediately to START. The engine will turn over for a maximum five seconds until the quadricycle has started.
6. If the engine does not start within five seconds, return the ignition switch to the OFF position and wait five seconds. Repeat steps 5 and 6 until the engine starts.
7. After starting the engine, wait 10 seconds before applying throttle.

BRAKING

1. Release the throttle pedal completely.

TIP
When the throttle pedal is released completely and engine speed slows to near idle, the quadricycle has no engine braking.

2. Press on the brake pedal evenly and firmly.
3. Practice starting and stopping (using the brakes) until you're familiar with the controls.

DRIVING IN REVERSE

WARNING

Before shifting into reverse, use extra care to make sure the area is clear of people or obstacles. When it's safe to proceed, back slowly.

Follow these precautions when operating in reverse:

1. Always check for obstacles or people behind the quadricycle.
2. Apply the throttle *lightly*. Never open the throttle suddenly.
3. Back slowly.
4. Apply the brakes *lightly* for stopping.
5. Avoid making sharp turns.

STOPPING THE ENGINE AND PARKING THE QUADRICYCLE

WARNING

When leaving the quadricycle on an incline is unavoidable, use extra care. Quadricycle rollaway can cause serious injury or death. This quadricycle can roll whenever the gear selector is not in the PARK (P) position. Always shift to PARK (P) when stopping the engine or leaving the quadricycle. If leaving the quadricycle unattended, block the rear wheels on the downhill side and keep children, pets, and others away from the gear selector.

To park the quadricycle:

1. Stop the quadricycle on a level surface.
2. Place the transmission in PARK (P). This quadricycle can roll whenever the transmission is not in the PARK (P) position.
3. Stop the engine.
4. Engage the park brake (if equipped).
5. Remove the ignition key to prevent unauthorized use.

FUEL

WARNING

Gasoline and gasoline vapor is highly flammable and explosive. Refuel outdoors or in a well ventilated area free of any source of flame or sparks, including pilot lights from water heaters, furnaces, or clothes dryers. To avoid fires and explosions, follow these precautions when refueling.

- Do not smoke.
- Wipe up any spilled fuel.

WARNING

Gasoline is poisonous. To avoid injury or death, avoid contact with gasoline and follow these precautions:

- Never attempt to siphon gasoline by mouth.
- If gasoline is ingested, contacts eyes, or gasoline vapor is inhaled, immediately seek medical attention.
- If gasoline contacts skin, wash with soap and water.
- If gasoline contacts clothes, change out of them.

REFUELING

The fuel tank filler cap is located on the right side of the quadricycle near the passenger seat.

The fuel symbol and the last fuel bar on the Instrument Cluster will blink when the fuel level reaches 1/8th tank. There will be approximately 2 gallons (8 L) of fuel remaining. Refuel as soon as possible. *Do not allow the quadricycle to run out of fuel.*

To refuel:

1. Place the transmission into Park on a level surface.
2. Turn off the engine.
3. Make sure no one is inside the quadricycle.
4. Fill with fuel, leaving the tank neck empty.
5. Securely close fuel cap.

⚠ WARNING

Gasoline can expand while inside the tank. To avoid fires and explosions, do not overfill the tank. Allow room for gasoline to expand inside the tank by leaving the tank neck empty.

- Use only 91 octane (or higher) unleaded fuel (minimum pump octane number of 91 R+M/2)
- Do not use any fuel lower than 91 octane.
- Do not fuel containing more than 10% ethanol (including E85)

NOTICE

Damage to the fuel pump will occur if the quadricycle is operated with an empty fuel tank. Do not allow the quadricycle to run out of fuel. Always refuel when the level is low.

NOTICE

Operating with obstructed fuel systems will result in serious engine damage. Perform maintenance as recommended.

NOTICE

Prolonged exposure to petroleum based products may damage paint. Always protect painted surfaces when handling fuel.

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.

ELECTROMAGNETIC INTERFERENCE

This quadricycle complies with the EMC requirements of Regulation (EU) No. 2015/208 Annex XV.

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 16990:2020.

The operating conditions of the machinery during testing:

The quadricycles were in like-new condition. The environment was controlled as indicated by the test procedure(s).

The uncertainty of vibration exposure measurement is dependent on many factors, including:

- Instrument and calibration uncertainty
- Variations in the machine such as wear of components
- Variation of machine operators such as experience or physique
- Ability of the worker to reproduce typical work during measurements
- Environmental factors such as ambient noise or temperature

MAINTENANCE

ELEVATING THE QUADRICYCLE FOR SERVICE

Some service procedures require that the quadricycle be elevated. Before proceeding, remember to:

- Always position the quadricycle on a firm, level surface before elevating.
- Only use an appropriate sized lift or jack.
- Refrain from positioning a jack or jack stand under any components other than the quadricycle frame.
- Refrain from allowing the quadricycle to remain elevated on a floor jack for an extended period of time.

PLACING ONTO JACK STANDS

1. Place the floor jack directly beneath the center of the quadricycle (either front or rear).
2. This quadricycle is not equipped with dedicated jacking points. Make sure that the floor jack only makes contact with the quadricycle *frame* only while lifting.
3. After quadricycle is elevated to desired height, place jack stands under the quadricycle *frame* on both sides of the floor jack, then lower the quadricycle until the jack stands come into contact with the quadricycle *frame*.

BOARDING AND EXITING THE QUADRICYCLE

- Never try to climb onto or exit the quadricycle while it is moving.
- Do not exit the quadricycle by jumping off.
- Always face the quadricycle when boarding or exiting.
- Do not grab controls as hand supports. This may cause inadvertent machine movements.
- Always keep quadricycle steps and flooring clean to prevent slippery conditions.

PERIODIC MAINTENANCE CHART

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 EGIMOTORS dealer.

Record maintenance and service in the Maintenance Log 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.

Quadricycles subjected to heavy or severe use patterns must be inspected and serviced more frequently.

SEVERE USE DEFINITION

- Frequent immersion in mud, water or sand
- Racing or race-style high RPM use
- Prolonged low speed, heavy load operation
- Extended idle
- Frequent short trip operation in cold weather (engine frequently does not operate long enough to reach full operating temperature)

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 or see your authorized dealer.

MAINTENANCE CHART TABLES

XU	Perform these operations 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 at the end of the manual.

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CLNDR	KM (MILES)	
	Steering	-	Pre-Ride	-	Make adjustments as needed. See Pre-Ride Checklist section for details.
	Front suspension	-	Pre-Ride	-	
	Rear suspension	-	Pre-Ride	-	
	Tires	-	Pre-Ride	-	
	Brake fluid level	-	Pre-Ride	-	
	Brake pedal travel				
	Brake system	-	Pre-Ride	-	
	Wheels/fas-teners	-	Pre-Ride	-	
	Frame fasteners	-	Pre-Ride	-	
	Engine oil level	-	Daily	-	

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CLNDR	KM (MILES)	
	Air filter, pre-filter	-	Daily	-	Inspect; clean often; replace as needed
	Air box sediment tube	-	Daily	-	Drain deposits when visible
	Coolant	-	Daily	-	Check coolant level
	PVT intake	-	Daily	-	Inspect; clean often
XU	Power steering unit (if equipped)	-	Daily	-	Inspect daily; clean often
	Headlight/tail-light	-	Daily	-	Check operation
	Air Filter	-	Weekly	-	Inspect; replace as needed
D	Brake pad wear	10 H	Monthly	160 (100)	Inspect periodically
XU	Front gearcase (demand drive) fluid	25 H	1 M	-	Perform a break-in oil level check
XU	Transmission (main gearcase) oil	25 H	1 M	400 (250)	Perform a break-in oil level check
XU	Engine oil change (break-in)	25 H	1 M	-	Perform a break-in oil change
XU	Engine breather filter (if equipped)	25 H	1 M	400 (250)	Inspect; replace as needed

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CLNDR	KM (MILES)	
	Fuel System	25 H	Monthly	-	Inspect; cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion
	Battery	25 H	Monthly	400 (250)	Check terminals; clean; test
XU	General lubrication	50 H	3 M	800 (500)	Lubricate all fittings, pivots, cables, etc.
D	Throttle pedal	50 H	6 M	800 (500)	Inspect for free movement; replace pedal as needed
	Throttle body air intake ducts/flange	50 H	6 M	800 (500)	Inspect duct for proper sealing/air leaks
	Shift Linkage	50 H	6 M	800 (500)	Inspect, adjust
XU	Front Suspension	50 H	6 M	800 (500)	Lubricate and inspect bushings
XU	Rear Suspension	50 H	6 M	800 (500)	Lubricate and inspect bushings
	Cooling system (if applicable)	50 H	6 M	1600 (1000)	Inspect coolant strength seasonally; pressure test system yearly

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CLNDR	KM (MILES)	
XU	Oil lines, fasteners	50 H	6 M	1600 (1000)	Inspect for leaks and loose fittings
	Drive belt	50 H	6 M	1600 (1000)	Inspect; adjust; replace as needed
XU	Spray Suppression Valances (if equipped)	50 H	6 M	1600 (1000)	Clean regularly
XU	Seat Adjuster	50 H	6 M	1600 (1000)	Lubricate long threaded bolt and all pivot pins
XU	Engine oil change	100 H	6 M	1600 (1000)	Change the oil and filter
XU	Front gearcase (demand drive) fluid	100 H	12 M	1600 (1000)	Change fluid
XU	Transmission (main gearcase) oil	100 H	12 M	1600 (1000)	Change fluid
D	Fuel system/filter	100 H	12 M	1600 (1000)	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump; replace lines every two years
XU	Spark plugs	100 H	12 M	1600 (1000)	Inspect; replace as needed, torque to specification

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CLNDR	KM (MILES)	
XU	Radiator	100 H	12 M	1600 (1000)	Inspect; clean external surfaces
XU	Cooling Hoses	100 H	12 M	1600 (1000)	Inspect for leaks
XU	Engine mounts	100 H	12 M	1600 (1000)	Inspect
	Exhaust muffler/ pipe	100 H	12 M	1600 (1000)	Inspect
XU	Wiring	100 H	12 M	1600 (1000)	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to water, mud, etc.
D	Clutches (drive and driven)	100 H	12 M	1600 (1000)	Inspect; clean; replace worn parts
XU	Shock Seals	100 H	-	-	Inspect shock seals
XU D	Shocks	-	12 M	2400 (1500)	See your dealer for oil change/seal inspection.
D	Front wheel bearings	100 H	12 M	1600 (1000)	Inspect; replace as needed
D	Brake fluid	200 H	24 M	3200 (2000)	Change every two years
	Suspension bushings	250 H	24 M	3200 (2000)	Inspect; replace if necessary

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CLNDR	KM (MILES)	
	Spark arrester	200 H	24 M	3200 (2000)	Clean daily when driving in mud and water; replace a cracked or damaged arrester before operating (see the Spark Arrester section in this chapter)
	Valve clearance	500 H	-	8000 (5000)	Check; adjust as needed
XU	Coolant	-	60 M	-	Replace coolant
D	Toe adjustment	-			Inspect periodically; adjust when parts are replaced
	Headlight aim	-			Adjust as needed

XU – Perform these procedures more often for quadricycles subjected to severe use.

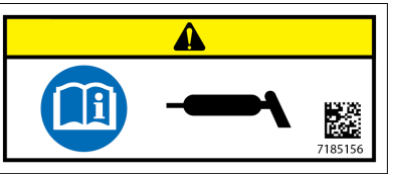
D – Have an authorized EGIMOTORS dealer or other qualified person perform these services.

LUBRICATION RECOMMENDATIONS

Check and lubricate all components at the intervals outlined in the Periodic Maintenance Chart section, or more often under severe use, such as wet or dusty conditions. Items not listed in the chart should be lubricated at the general lubrication interval.

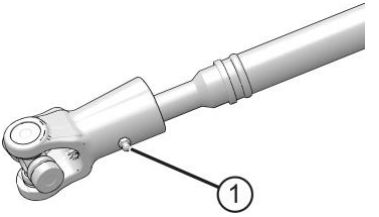
ITEM	LUBE	METHOD
Engine Oil	PS-4 5W-50 4-Cycle Oil and PS-4 Extreme Duty 10W-50 4-Cycle Oil	
Brake Fluid	DOT 4 Brake Fluid	Maintain level between fill lines
Transmission Oil (Main Gearcase)	AGL Gearcase Lubricant & Transmission Fluid	.
Front Gearcase Fluid (Demand Drive)	Demand Drive Fluid	
Prop Shaft	U-Joint Grease	Grease the middle and rear fittings.
Stabilizer Bar Bushings	All Season Grease or grease conforming to NLGI No. 2	Grease 2 fittings on front (if applicable) and 2 fittings on rear.

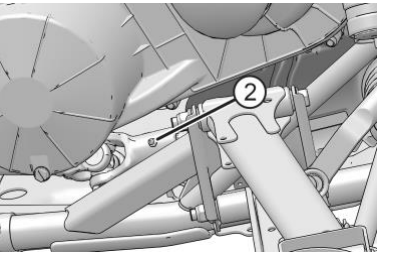
Lubricate as recommended.



1 Middle Prop Shaft Grease Fitting

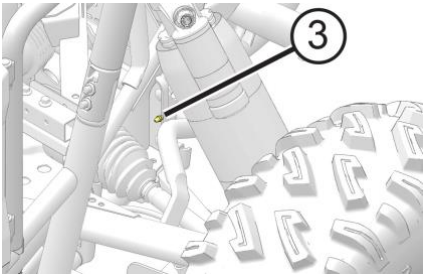
2 Rear Prop Shaft Grease Fitting

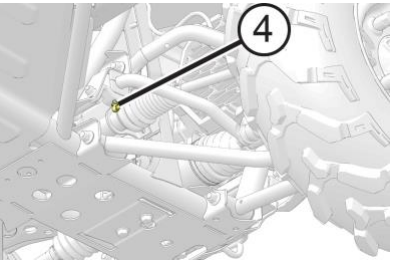




e Rear Stabilizer Bar Grease Fitting

r Front Stabilizer Bar Grease Fitting





ENGINE OIL

OIL RECOMMENDATIONS

⚠ 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 Maintenance Chart.

Ambient Temperature Range	Recommended Oil
(-37 °C) to (+38 °C)	PS-4 5W-50 4-Cycle Oil
(-18 °C) to (+49 °C)	PS-4 Extreme Duty 10W-50 4-Cycle Oil

Oil may need to be changed more frequently if POLARIS oil is not used. Do not use automotive oil. Follow the manufacturer's recommendations for ambient temperature operation.

NOTICE

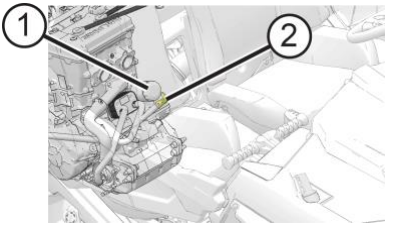
Mixing brands or using a non-recommended oil may cause serious engine damage. Always use the recommended oil. Never substitute or mix oil brands.

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

OIL CHECK

Always check the oil when the engine is cold. If the engine is hot when the oil is checked, the level will appear to be overfull.

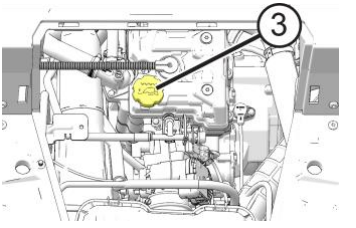
Access the oil filter 1 and oil check dipstick 1 through the engine access panel located behind the seats.



1. Position the quadricycle on a level surface.
2. Place the transmission in PARK.
3. Engage the park brake.

NOTE
Always check the oil when the engine is cold.

4. Remove the seats and remove the engine access panel.
5. Remove the dipstick. Wipe it dry with a clean cloth.
6. Reinstall the dipstick completely. Remove the dipstick and check the oil level.
7. Remove the oil fill cap 3 to add the recommended oil as needed. Maintain the oil level between the minimum and maximum marks on the dipstick. Do not overfill.



8. Reinstall the fill cap. Reinstall the dipstick.

OIL AND FILTER CHANGE

Always change the oil and filter at the intervals outlined in the Periodic Maintenance Chart section. Always change the oil filter whenever changing oil.

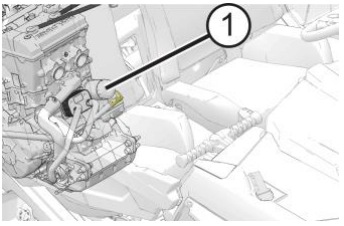
Access the oil check dipstick and oil filter through the engine access panel located behind the seats.

The crankcase drain plug is located on the bottom of the crankcase. Access the drain plug through the access hole under the crankcase.

1. Position the quadricycle on a level surface. Place the transmission in PARK.
2. Engage the park brake.
3. Clean the area around the crankcase drain plug.

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

4. Place a drain pan under the engine crankcase and remove the drain plug. Allow the oil to drain completely.
5. Remove the seats and remove the engine access panel.
6. Using an oil filter wrench, turn the filter 1 counter-clock- wise to remove it.



7. Using a clean dry cloth, clean the filter sealing surface on the crankcase.
8. 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.
9. Install the new filter and turn by hand until the filter gasket contacts the sealing surface, then turn an additional 3/4 turn.
10. Reinstall the crankcase drain plug. Torque to 16 Nm
11. Remove the oil fill cap and add 2.4 of recommended oil. Reinstall the fill cap.
12. Start the engine and check for leaks.
13. Stop the engine and wait 15 seconds before removing the dipstick.

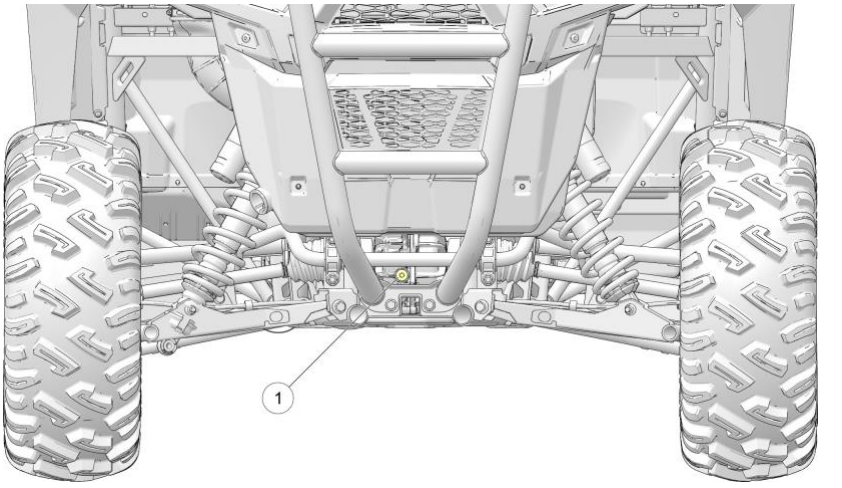
14. Remove the dipstick. Wipe it dry with a clean cloth.
15. Reinstall the dipstick completely. Remove the dipstick and check the oil level.
16. Add oil as necessary to bring the level to the upper mark on the dipstick. Do not overfill.
17. Reinstall the dipstick.
18. Reinstall the oil fill cap.
19. Dispose of used filter and oil properly.

TRANSMISSION (MAIN GEARCASE)

Always check and change the fluid at the intervals outlined in the Periodic Maintenance Chart section. Refer to the Gearcase Specifications Chart section for recommended lubricants, capacities and torque specifications.

FLUID CHECK

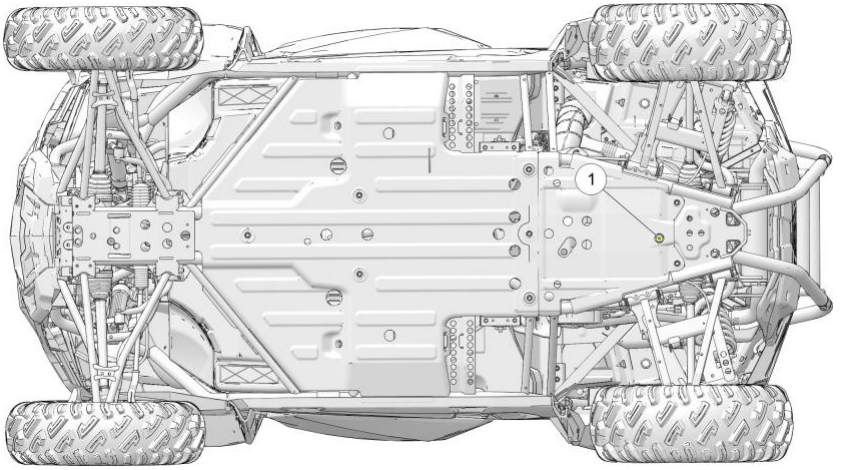
The fill plug 1 is located on the rear of the gearcase. Maintain the fluid level so that it is even with the bottom thread of the fill plug hole.



1. Position the quadricycle on a level surface.
2. Remove the fill plug.
3. Check the fluid level to see if even with bottom thread of fill plug hole.
4. If fluid level is not even with bottom thread of fill plug hole, add the recommended fluid as necessary (fluid type is listed in the Gearcase Specification Chart section).
5. Reinstall the fill plug. Torque to specification (listed in the Gearcase Specifications Chart section).

FLUID CHANGE

The drain plug 1 is located on the bottom of the gearcase. Access the drain plug through the drain hole in the skid plate.



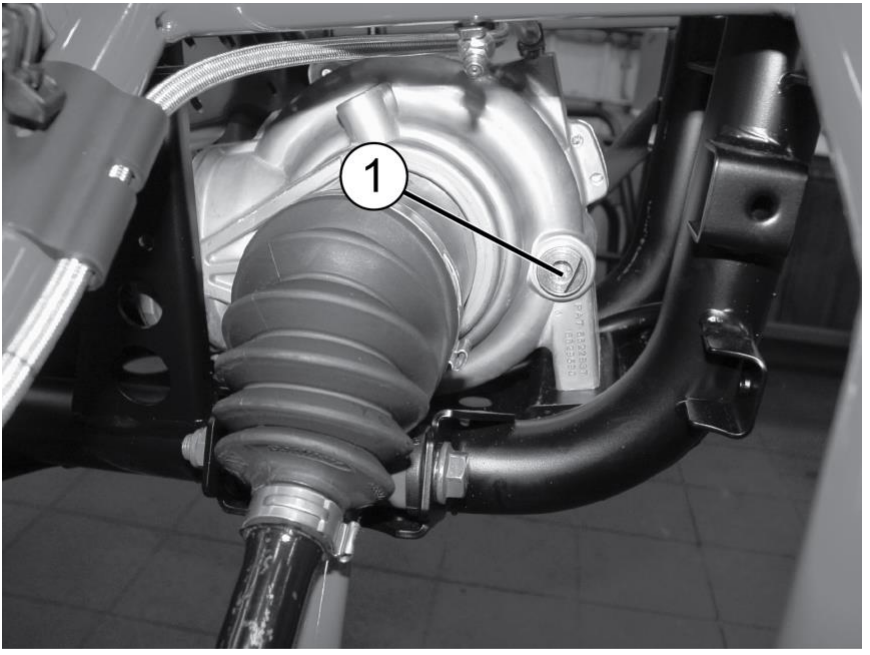
1. Remove the fill plug.
2. Place a drain pan under the drain plug.
3. Remove the drain plug. Allow the fluid to drain completely.
4. Clean the drain plug.
5. Reinstall the drain plug. Torque to specification (listed in the Gearcase Specification Chart of this manual).
6. Add the recommended fluid (listed in the Gearcase Specification Chart) to the bottom of the fill plug hole. Do not overfill.
7. Reinstall the fill plug. Torque to specification (listed in the Gearcase Specification Chart).
8. Check for leaks. Discard used fluid properly.

DEMAND DRIVE UNIT (FRONT GEARCASE)

Always check and change the fluid at the intervals outlined in the Periodic Maintenance Chart. Refer to the Gearcase Specifications Chart section for recommended lubricants, capacities and torque specifications.

DEMAND DRIVE FLUID CHECK

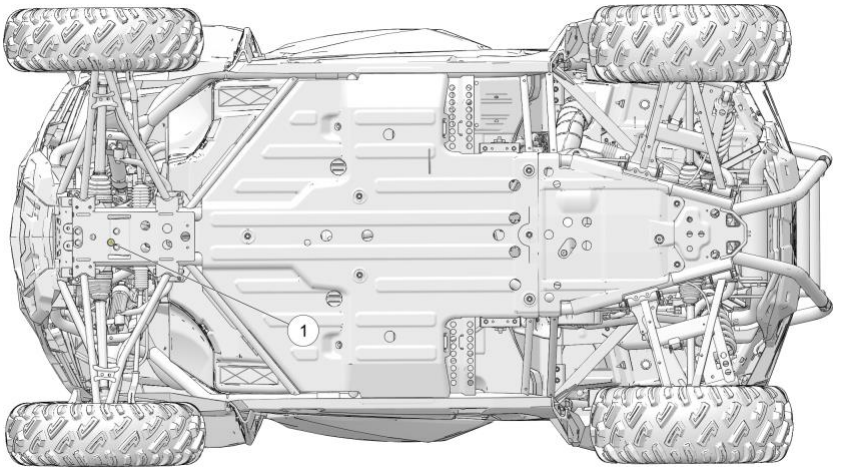
The fill plug 1 is located on the bottom right side of the demand drive unit. Maintain the fluid level so that it is even with the bottom thread of the fill plug hole.



1. Position the quadricycle on a level surface.
2. Remove the fill plug.
3. Check the fluid level to see if even with bottom thread of fill plug hole.
4. If fluid level is not even with bottom thread of fill plug hole, add the recommended fluid as necessary (fluid type is listed in the Gearcase Specification Chart section).
5. Reinstall the fill plug. Torque to specification (listed in the Gearcase Specification Chart section).

DEMAND DRIVE FLUID CHANGE

The demand drive drain plug 1 is located on the bottom of the gearcase.



1. Remove the fill plug.
2. Place a drain pan under the drain plug.
3. Remove the drain plug. Allow the fluid to drain completely.
4. Clean the drain plug.
5. Reinstall the drain plug. Torque to specification (listed in the Gearcase Specification Chart of this manual).
6. Add the recommended fluid (listed in the Gearcase Specification Chart) to the bottom thread of the fill plug hole.
7. Reinstall the fill plug. Torque to specification listed in the Gearcase Specification Chart).
8. Check for leaks. Discard used fluid properly.

GEARCASE SPECIFICATION CHART

Use of other fluids may result in improper operation of components. See the EGIMOTORS Products section for part numbers.

GEARCASE	LUBRICANT	CAPACITY	FILL PLUG TORQUE	DRAIN PLUG TORQUE
Transmission (Main Gearcase)	AGL Gearcase Lubricant & Transmission Fluid	1200 ml	14-19 Nm	14-19 Nm
Demand Drive Unit (Front Gearcase)	Demand Drive Fluid	250-275 ml	11-14 Nm	11-14 Nm

SPARK PLUGS

SPARK PLUG GAP / TORQUE

Electrode Gap	Spark Plug Torque
0.7 - 0.8 mm	12 N·m (+/- 1 N·m)

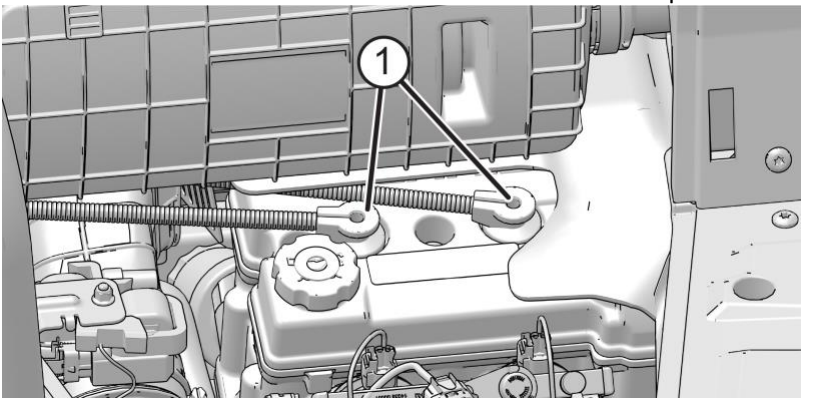
NOTICE
Using non-recommended spark plugs can result in serious engine damage. Always use EGIMOTORS-recommended spark plugs or their equivalent. Refer to the Specifications section for details.

Spark plug condition is indicative of engine operation. The spark plug firing end condition should be read after the engine is warmed up and the quadricycle is driven at higher speeds. Immediately check the spark plug for correct color.

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

SPARK PLUG REMOVAL AND REPLACEMENT

1. Remove the cargo box access panel to access the spark plugs q.



2. Clean the area around the spark plugs before removing the plugs.
3. Remove the spark plug caps.

4. Using the spark plug wrench provided in the tool kit, remove the plugs by rotating them counterclockwise.

5. Reverse the procedure for spark plug installation. Torque to specification.

SPARK PLUG CONDITION

NORMAL 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.

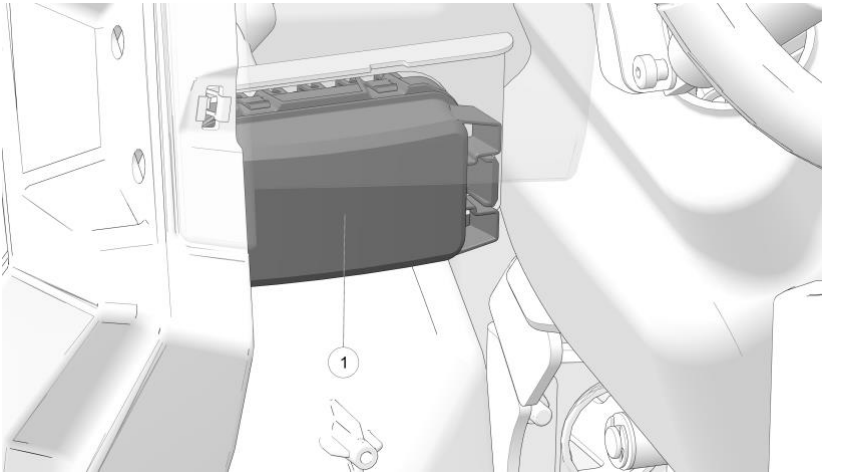
NOTICE
The tip should not be white. A white insulator tip indicates overheating, caused by use of an improper spark plug or incorrect throttle body adjustments.

WET FOULED 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. Fouling may be caused by excessive oil or by frequent short trips, especially in cold weather.

FUSE / RELAY CENTER

If the engine stops or will not start, if the power steering stops working (if equipped), or if you experience other electrical failures, a fuse may need replacement. Locate and correct any short circuits that may have caused the blown fuse, then replace the fuse. The fuse/relay center 1 is located under the driver's side dashboard.



LABEL	VALUE	FUNCTION
TERM ACCY	10A Fuse	Under Hood Terminal Block, Interior LED
DRIVE	10A Fuse	All-Wheel Drive, TURF (optional)
FAN	20A Circuit Breaker	Fan
EPS (optional)	30A Fuse	Power Steering (optional)
SOCKET	10A Fuse	12V Receptacle
HEADLIGHT	10A Fuse	Headlight
INSTR UNSW	7.5A Fuse	Gauge
EFI	10A Fuse	EFI Relay, Injectors, Coil, ECM, Chassis Relay Coil, Fan Relay Coil, Fuel Pump Relay Coil
FUEL	7.5A Fuse	Fuel

LABEL	VALUE	FUNCTION
REAR FOG LIGHT	5A Fuse	Rear Fog Light
FLASHER	10A Fuse	Flasher

TRACTOR MODELS ONLY		
LABEL	**VALUE**	**FUNCTION**
TRACTOR	10A Fuse	Horn, Turn Light Signal, EPS Wake-up, Start Solenoid, AWD Switch, Front Position Light, Accent Light
TRAILER	10A Fuse	Trailer Position Light, Trailer Brake Light

COOLING SYSTEM

The engine coolant level is maintained by the recovery system. The recovery system components are the overflow bottle, radiator vent fitting, radiator pressure cap and connecting hose.

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

TIP
Some coolant level drop on new quadricycles is normal as the system is purging itself of trapped air. Observe coolant levels and maintain as recommended by adding coolant to the overflow bottle.

ADDING OR CHANGING COOLANT

EGIMOTORS recommends the use of EGIMOTORS Antifreeze 50/50 Premix. This antifreeze is already premixed and ready to use. Do not dilute with water. See the Egimotors Products section for the part numbers.

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.

RADIATORS AND COOLING FAN

Always check and clean the screens and radiator fins at the intervals outlined in the Periodic Maintenance Chart section. Do not obstruct or deflect air flow through the radiators by installing unauthorized accessories in front of the radiators or behind the cooling fan. Interference with radiator air flow can lead to overheating and consequent engine damage.

NOTICE
Washing the quadricycle with a high-pressure hose could damage radiator fins and impair a radiator's effectiveness. Using a high-pressure system is not recommended.

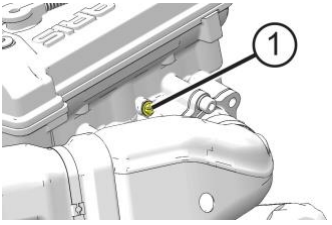
RADIATOR COOLANT LEVEL / CHANGING COOLANT

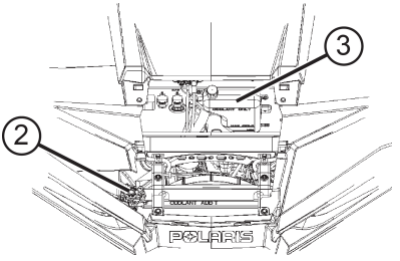
This procedure is required only if the cooling system has been drained for maintenance and/or repair. If the overflow bottle e has run dry, the level in the radiator should also be inspected.

⚠ 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. Remove the hood. See the Hood section for details.
2. Slowly remove the radiator pressure cap w.
3. View the coolant level through the opening.
4. Use a funnel and slowly add coolant as needed.
5. Before reinstalling the pressure cap, bleed the system of trapped air. Remove the engine access panel behind the seats and use a flat-blade screwdriver to turn the bleed screw q slightly, allowing the air to escape. Slowly add additional coolant to the radiator until air no longer escapes and only coolant flows from the bleed hole, then tighten the bleed screw.
6. Reinstall the pressure cap.





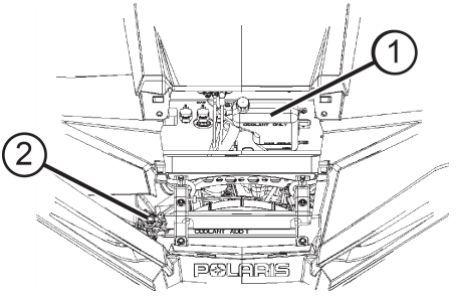
TIP

Use of a non-standard pressure cap will not allow the recovery system to function properly. See your dealer for the correct replacement part.

OVERFLOW BOTTLE COOLANT LEVEL

Always check and change the coolant at the intervals outlined in the Periodic Maintenance Chart section. Maintain the coolant level between the minimum and maximum marks on the bottle (when the fluid is cool). If the overflow bottle has run dry, the level in the radiator should also be inspected.

1. Position the quadricycle on a level surface.
2. Remove the hood. See the Hood section for details.
3. View the coolant level in the overflow bottle q.



4. Remove the cap w and use a funnel to add coolant as needed to maintain the level between the two marks.
5. Reinstall the cap.

TIP
If coolant must be added often, or if the overflow bottle runs completely dry, there may be a leak in the system. Have the cooling system inspected by your EGIMOTORS dealer or authorized person.

POLARIS VARIABLE TRANSMISSION (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. As the owner, you have the following responsibilities for your own safety and the safety of others:

- 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 or other qualified service person as recommended in the owner's manual and on safety labels.
- 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.

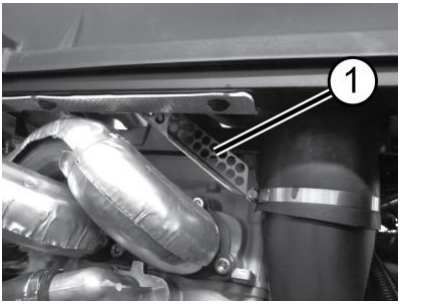
Belt slip is responsible for creating excessive heat that destroys belts, wears clutch components and causes outer clutch covers to fail. Switch to low range while operating at slower speeds to extend the life of the PVT components (belt, cover, etc.).

BELT REPLACEMENT / DEBRIS REMOVAL

WARNING

Failure to remove ALL debris when replacing the belt could result in quadricycle damage, loss of control and severe injury or death.

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



1. Allow hot components to cool before performing this procedure.
2. Remove the engine access cover and thoroughly clean all debris from the aluminum debris basket 1 and from the engine compartment.

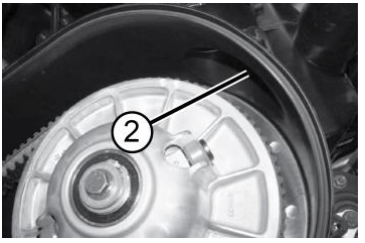
3. Remove the clutch cover screws and open the clutch cover. (It does not have to be removed from the quadricycle.) Remove all debris wrapped in and around the PVT system.

TIP
Use the shock/clutch tool from the tool kit to slightly open the sheaves to aid in debris removal and belt installation.

Insert hooked end of tool

Apply force to opposite end of tool to spread sheaves

4. Remove ALL DEBRIS from the entire clutch air duct passage w.



5. Check for signs of damage to seals on the transmission and engine. See your dealer promptly for service if any seals appear to be damaged.

TIP
Belt slip is responsible for creating excessive heat that destroys belts, wears clutch components and causes outer clutch covers to fail. Switch to low range while operating at slower speeds to extend the life of the PVT components (belt, cover, etc.).

PVT DRYING

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

NOTICE
When washing the quadricycle, always avoid spraying water directly toward the PVT intake duct. See the Washing the Quadricycle section for details.

1. Remove the clutch cover drain plug.
2. Allow the water to drain. Reinstall the drain plug.
3. Place the transmission in PARK. Apply the brakes.
4. Start the engine.
5. 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 10 seconds.
6. Allow the engine RPM to settle to idle speed. Apply the brakes. Shift the transmission to the lowest available range.
7. Test for belt slippage. If the belt slips, repeat the process.
8. Your quadricycle requires service as soon as possible. Your EGIMOTORS dealer or authorized person can assist.

FILTER SYSTEMS

INTAKE PRE-FILTERS (IF EQUIPPED)

Inspect the engine pre-filter before each use of the quadricycle to ensure adequate air flow. If necessary, remove the pre-filter and clean with soapy water. Dry with low pressure compressed air.

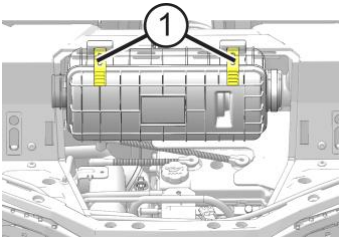
Periodically inspect the clutch (PVT) air intake for debris and clean as needed to ensure adequate air flow.

TIP
When washing the quadricycle, always avoid spraying water directly toward the PVT intake duct. See the Cleaning and Storage section for recommended washing procedures.

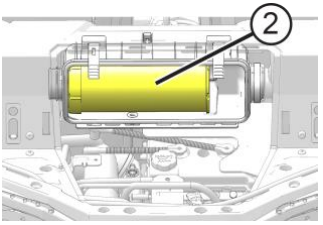
AIR FILTER

Always change the air filter at the intervals outlined in the Periodic Maintenance Chart section.

1. Remove the cargo box access panel.
2. Clean all dirt and debris from the air box area.
3. Unlatch the two (2) air box cover straps q and carefully remove the air box cover.



4. Inspect the air filter w and air box for dirt, debris or water.



5. To remove the filter, slide the filter toward the passenger's side of the quadricycle.
6. With the filter removed, clean the intake tube and air box thoroughly. Wipe well with a clean, dry cloth.

NOTICE
Dirt or debris in the intake tube could result in severe engine damage. Always clean all dirt and debris from the intake tube before installing the filter.

7. Reinstall the air filter (if clean) or install a new air filter (if soiled). Do not attempt to clean the air filter.

NOTICE
Use of a non-POLARIS-approved air filter may cause engine damage. Always use a POLARIS-approved replacement filter. Please see your EGIMOTORS dealer or authorized person.

8. Make sure that there are no gaps between the filter and the driver’s side of the air box.
9. Reinstall the air box cover. Make sure the tabs are properly positioned into the hinge.
10. Secure the two (2) cover straps.
11. Reinstall the cargo box access panel.

SPARK ARRESTER

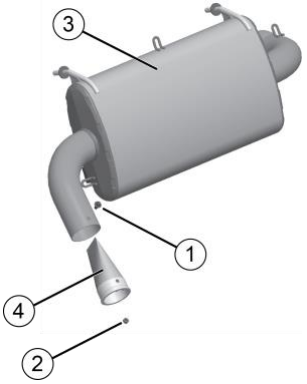
WARNING

Failure to heed the following warnings while servicing the spark arrester could result in serious injury or death.

- 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 the exhaust components. Allow components to cool sufficiently before proceeding.
- Wear eye protection and gloves.
- Never operate without the spark arrester.
- Never run the engine in an enclosed area. Exhaust contains poisonous carbon monoxide gas that can cause loss of consciousness or death in a very short time.

Periodically clean the spark arrester to remove accumulated carbon. A plugged spark arrester will affect engine performance. Clean daily when driving in mud and water. Replace a cracked or damaged arrester before operating.

1. Remove the arrester retaining bolt 1 and nut 2.
2. Remove the arrester from the end of the muffler 3.
3. Use a non-synthetic brush to clean the arrester screen 4. A synthetic brush may melt if components are warm. If necessary, blow debris from the screen with compressed air.



4. Inspect the screen for wear and damage. Replace a worn or damaged screen.
5. Reinstall the arrester

BRAKES

WARNING

Operating the quadricycle with a spongy brake pedal can result in loss of braking, which could cause an accident resulting in severe injury or death. Never operate the quadricycle with a spongy-feeling brake pedal.

The front and rear brakes are hydraulic disc type brakes activated by the brake pedal.

CAUTION

Brake discs can become extremely hot after operation. Allow the discs to cool before performing maintenance to prevent risk of burns.

Always check brake pedal travel and the brake fluid reservoir level before each use of the quadricycle. When applied, the brake pedal should feel firm. Any sponginess would indicate a possible fluid leak or low brake fluid level, which must be corrected before riding. See the Brake Fluid section for further details.

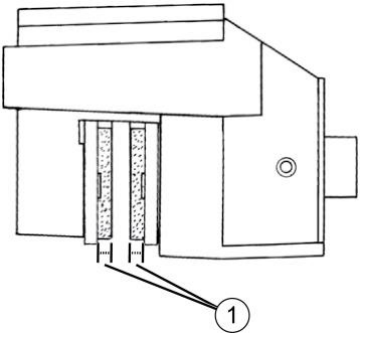
If you discover any irregularities in brake system operation, including excessive pedal travel, contact your dealer for proper diagnosis and repairs.

BRAKE INSPECTION

WARNING

Do not apply WD-40® or any petroleum product to brake discs. These types of products are flammable and may also reduce the friction between the brake pad and caliper.

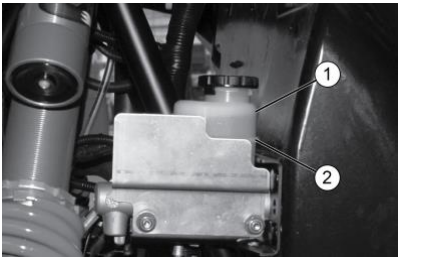
1. Check the brake system for fluid leaks.
2. Check the brake pedal for excessive travel or a spongy feel.
3. Check the friction pads for wear, damage and looseness.
4. Check brake discs for signs of cracks, excessive corrosion, warping or other damage. Clean any grease using an approved brake cleaner or alcohol.
5. Inspect the brake disc spline and pad wear surface for excessive wear. Change pads when worn to 0.762 mm (1).



BRAKE FLUID

WARNING

After opening a bottle of brake fluid, always discard any unused portion. Never store or use a partial bottle. 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 accident or severe injury.



Inspect the level of the brake fluid before each operation. If the fluid level is low add DOT 4 brake fluid only. See the Egimotors Products section for the part numbers.
Change the brake fluid every two years and any time the fluid becomes contaminated, the fluid level is below the minimum, or if the type and brand of the fluid in the reservoir are unknown. Access the brake fluid reservoir through the left front wheel well.

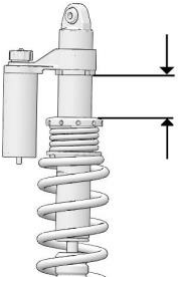
1. Position the quadricycle on a level surface.
2. Place the transmission in PARK.
3. View the brake fluid level in the reservoir. The level should be between the maximum q and minimum w level lines.
4. If the fluid level is lower than the lower-level line, add brake fluid to the upper line.
5. Apply the brake forcefully for a few seconds and check for fluid leakage around the fittings.

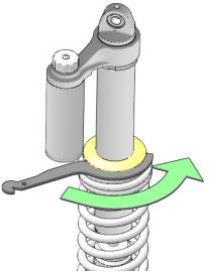
SUSPENSION SETTINGS

WALKER EVANS RACING® SHOCKS (IF EQUIPPED)

The factory setting is appropriate for nearly all riding conditions. If desired, the suspension may be adjusted to maintain quadricycle clearance height when carrying loads.

To adjust the preload, do the following:





1. Elevate the quadricycle to allow the suspension to fully extend.
2. Turn the adjusting ring to the left to increase preload for a higher ride height. Turn the adjusting ring to the right to decrease preload for a lower ride height.

LOCATION	MEASUREMENT
Front	(153 mm)
Rear	(70 mm)

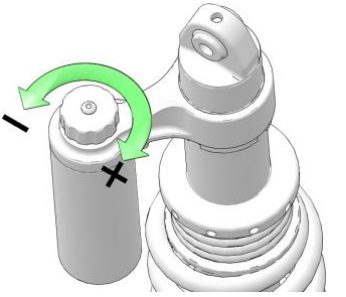
Follow these guidelines if you make adjustments to this suspension.

- Always return the suspension to the factory setting after the load is removed from the quadricycle. The increased suspension height will negatively impact quadricycle stability when operating without a load.
- Always apply the same adjustment setting to all four wheels.

Do not increase the spring preload by more than (25.4 mm) over the factory setting.

WALKER EVANS RACING® SHOCK COMPRESSION ADJUSTMENT (IF EQUIPPED)

The compression damping clicker knob is located at the top of the shock reservoir.



1. Turn the clicker clockwise to increase compression damping.
2. Turn the clicker counterclockwise to decrease compression damping.

FACTORY PRELOAD SETTINGS	
Setting	**Compression Damping**
Softest	Full counterclockwise position (16 clicks)
Factory	Center position (8 Clicks)
Firmest	Full clockwise position (0 clicks)

SACHS SHOCKS (IF EQUIPPED)

The front and rear preloads are adjustable.

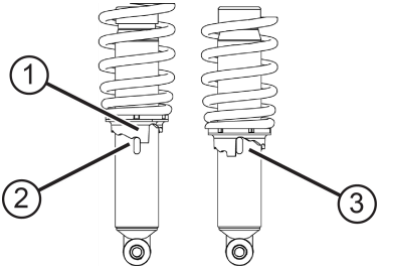
The suspensions are set on the lowest setting at the factory. This setting is appropriate for nearly all riding conditions.

If desired, the suspension may be adjusted to maintain quadricycle clearance height when carrying loads. Elevate the quadricycle slightly for easier adjustment.

Always heed the following rules if you make adjustments to this suspension.

- Always return the suspension to the lowest setting after the load is removed from the quadricycle. The increased suspension height will negatively impact quadricycle stability when operating without a load.
- Always apply the same adjustment setting to *all four wheels*.
- Never operate the quadricycle on the highest or second highest preload settings without a total combined payload in the quadricycle of 204 kg (450 lbs.) or more. Payload includes the driver, passenger, EGIMOTORS-approved accessories and cargo. Never exceed the stated load capacity for the quadricycle.

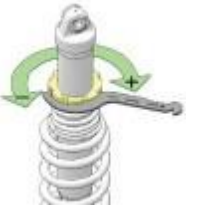
1 Adjustment Cam
2 Highest (Stiffest) Setting
3 Lowest (Softest) Setting



FOX® SHOCKS (IF EQUIPPED)

Spring Preload Adjustment

The factory setting is appropriate for nearly all riding conditions. If desired, the suspension may be adjusted to maintain ground clearance when carrying additional weight.



To adjust the preload, do the following:

1. Elevate the quadricycle to allow the suspension to fully extend.
2. Loosen the jam nut and back it away from the adjusting ring.
3. Turn the adjusting ring to the left to add preload. Turn the adjusting ring to the right to remove preload.
4. Tighten the jam nut firmly against ring.

LOCATION	RZR Trail S	
Front	202 mm	
Rear	84 mm	

Follow these guidelines if you make adjustments to this suspension.

- Always return the suspension to the factory setting after the load is removed from the quadricycle. The increased suspension height will negatively impact quadricycle stability when operating without a load.
- Always apply the same adjustment setting to all four wheels.

Do not increase the spring preload by more than (25.4 mm) over the factory setting.

FOX® SHOCK COMPRESSION ADJUSTMENT (IF EQUIPPED)

The compression damping clicker knob is located at the top of the shock reservoir.

1. Turn the clicker clockwise to increase compression damping.
2. Turn the clicker counterclockwise to decrease compression damping.

FACTORY PRELOAD SETTINGS	
Setting	**Compression Damping**
Softest	Full counterclockwise position (24 clicks)
Factory	Center position (12 Clicks)
Firmest	Full clockwise position (0 clicks)

⚠ WARNING

Uneven adjustment may cause poor handling of the quadricycle, which could result in an accident. Always adjust both the left and right spring preloads equally or have your EGIMOTORS dealer/authorized person perform the adjustments.

TIRES

WARNING

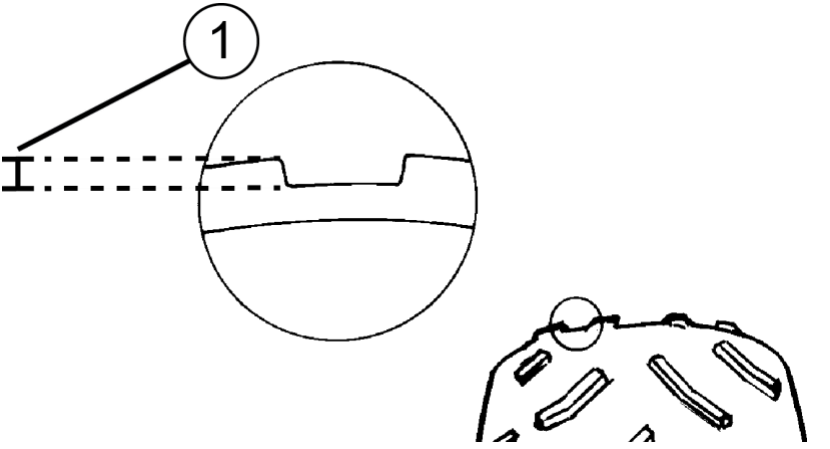
Operating your quadricycle with worn tires will increase the possibility of skidding, loss of control and an accident, which could result in serious injury or death. Always replace tires when the tread depth measures (3 mm) or less.

Improper tire inflation or the use of non-standard size or type of tires may adversely affect quadricycle handling, which could result in quadricycle damage or personal injury. Always maintain proper tire pressure. Always use EGIMOTORS- approved size and type of tires for this quadricycle when replacing tires.

Tires age even if they have not been used or have only been used occasionally. Cracking of the tread and sidewall rubber and/or deformation is evidence of aging. Tires should be inspected for aging before use. If signs of aging or damage are found, see your Egimotors dealer or other qualified person for assistance.

TIRE TREAD DEPTH

Always replace tires when tread depth is worn to 3 mm or less.



AXLE AND WHEEL NUT TORQUE SPECIFICATIONS

Inspect the following items occasionally for tightness, and if they've been loosened for maintenance service. *Do not lubricate the stud or the lug nut*.

Lug Nut (Aluminum Wheels) 	Front and Rear	162.7 N·m
Lug Nut (Steel Wheels)	Front and Rear	81.3 N·m
Hub Retaining Nut	Front and Rear	245 N·m

WHEEL REMOVAL

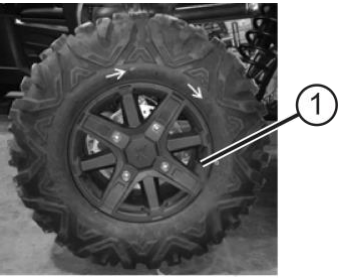
1. Position the quadricycle on a level surface.
2. Place the transmission in PARK. Stop the engine.
3. Engage the park brake.
4. Loosen the wheel nuts slightly.
5. Elevate the side of the quadricycle by placing a suitable stand under the frame.
6. Remove the wheel lug nuts. Remove the wheel.

WHEEL INSTALLATION

1. Place the transmission in PARK.
2. Engage the park brake.
3. Place the wheel in the correct position on the wheel hub. Be sure the valve stem q is toward the outside and rotation arrows on the tire point toward forward rotation.
4. Attach the wheel nuts and washers and finger tighten.
5. Carefully lower the quadricycle to the ground.
6. Torque the wheel nuts to specification. See the Axle and Wheel Nut Torque Specifications section for details.

⚠ WARNING

Improperly installed wheels can adversely affect tire wear and quadricycle handling, which can result in serious injury or death. Always ensure that all nuts are torqued to specification. Do not service axle nuts that have a cotter pin installed. See your EGIMOTORS dealer or authorized person.



Right rear wheel shown (type varies by model).

LIGHTS

Headlight and taillight lenses become dirty during normal operation. Clean all lights frequently to ensure a clear field of vision as well as visibility to other quadricycles.

TIP
LED LAMPS If an LED headlamp appears to have moisture or fogging *inside* the lens, disconnect the wiring harness from the headlamp(s) for a few days to allow the moisture to clear out.

TIP
HALOGEN LAMPS When servicing a halogen lamp, don't touch the lamp with bare fingers. Oil from your skin leaves a residue, causing a hot spot that will shorten the life of the lamp.

TAILLIGHT / BRAKE LIGHT / TURN SIGNAL LAMP REPLACEMENT

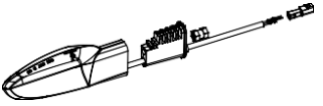
The taillight assembly is not serviceable. If the taillight or brake light fails to operate properly, replace the entire taillight assembly.

HEADLIGHT REPLACEMENT

If a headlight becomes damaged or inoperable, the entire headlight assembly must be replaced. Do not operate this quadricycle at night or in low light conditions until the headlight is replaced. Always make sure lights are adjusted properly for best visibility.

FRONT TURN SIGNAL LAMP REPLACEMENT (IF EQUIPPED)

If a front turn signal light becomes inoperable, the lamps cannot be replaced. Replace the entire signal lamp assembly.

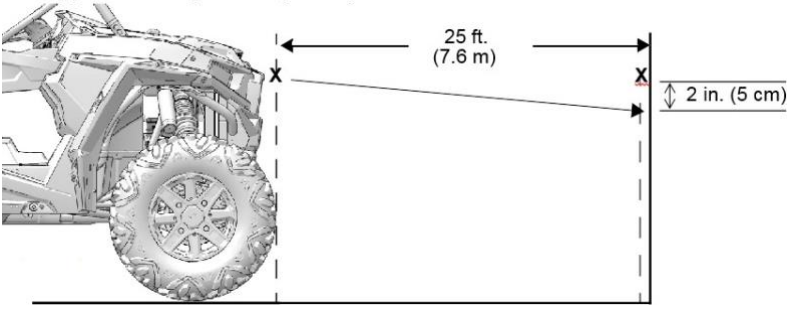


HEADLIGHT BEAM ADJUSTMENT

The headlight beam can be adjusted slightly upward or downward and to the left or right.

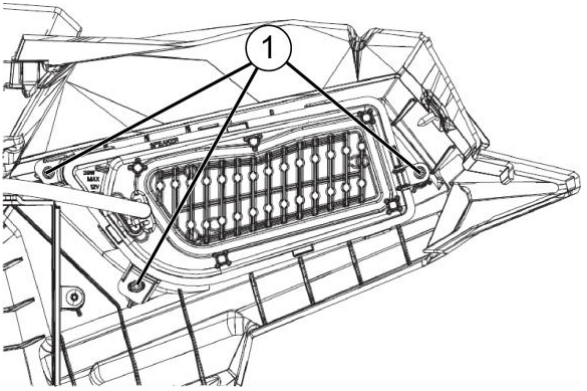
NOTICE
Rider weight must be included on the seat while performing this procedure.

1. Position the quadricycle on a level surface. The headlight should be approximately 25 ft. (7.6 m) from a wall.



2. Place the transmission in PARK.
3. Measure the distance from the floor to the center of the headlight and make a mark on the wall at the same height.
4. Apply the brakes. Start the engine. Turn the headlights to high beam.

5. Include the weight of a rider on the seat while performing this step. Observe the headlight aim. As a starting point, the most intense part of the headlight beam should be (5 cm) below the mark on the wall. Adjust to operator preference.
6. Tighten or loosen the three (3) headlight screws 1 on the rear of the headlight to adjust the beam upward or downward or to the left or right.



QUADRICYCLE IMMERSION

NOTICE
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 quadricycle to a dealer before starting it, follow the steps outlined below.

1. Move the quadricycle to dry land.
2. Check the air box. See the Air Filter section for details. If water is present, dry the air box and replace the filter with a new filter.
3. Dry the spark plug wells with a clean cloth, then remove the spark plugs.
4. Turn the engine over several times.
5. Dry the spark plugs and reinstall them or install new plugs.
6. Attempt to start the engine. If necessary, repeat the drying procedure.

7. Take the quadricycle 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 procedures in the PVT Drying section.

STEERING WHEEL INSPECTION

Check the steering wheel for specified free play and smooth operation at the intervals outlined in the Periodic Maintenance Chart.

1. Position the quadricycle on level ground.
2. Lightly turn the steering wheel left and right.
3. There should be 20-25 mm of free play.
4. If there is excessive free play or strange noises, or if the steering feels rough or “catchy,” have the steering system inspected by an authorized EGIMOTORS dealer or other qualified personnel.

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.

Your quadricycle has a low-maintenance battery. Always keep battery terminals and connections free of corrosion. If cleaning is necessary, remove the 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.

BATTERY REMOVAL

1. Remove the driver's seat. See the Seat Removal section for details.
2. Disconnect the black (negative) battery cable first.
3. Disconnect the red (positive) battery cable last.
4. Remove the battery hold-down strap.
5. Lift the battery out of the quadricycle.

BATTERY MAINTENANCE AND CHARGING

WARNING

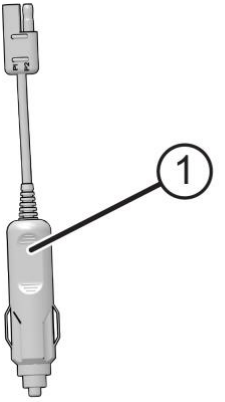
An overheated battery may explode, causing severe injury or death. Always watch charging times carefully. Stop charging if the battery becomes very warm to the touch. Allow it to cool before resuming charging.

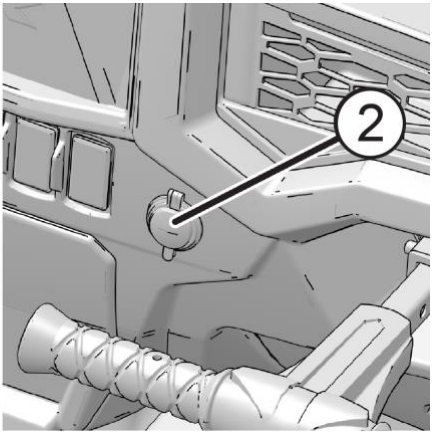
The sealed battery is already filled with electrolyte and has been sealed and *fully charged* at the factory. *Never* pry the sealing strip off or add any other fluid to this battery.

The single most important thing about maintaining a sealed battery is to keep it fully charged. Check the battery voltage with a voltmeter or multimeter. A fully charged battery will register 12.8 V or higher. If the voltage falls below 12.5V, charge it immediately, or the battery runs the risk of sulfation and reduced battery life.

If you do not drive the quadricycle for more than TWO WEEKS, Egimotors recommends using a BatteryMINDer® 2012 AGM - 2 AMP charger (PN 2415548), which can be ordered through your dealer.

Egimotors provides a charging accessory (1) with your quadricycle that allows easy connection to the battery through the 12V auxiliary outlet (2), located on the dash. During charging, place the charger outside of the quadricycle and protect it from moisture.





If you plan to store the quadricycle for ONE MONTH or longer, remove the battery from the quadricycle, then store the battery in a cool and dry location. Continue to maintain the battery with the BatteryMINDer® 2012 AGM - 2 AMP charger.

When using an automatic charger other than a BatteryMINDer® 2012-AGM - 2 AMP charger, refer to the charger manufacturer's instructions for recharging.

If using a **constant current charger** (instead of BatteryMINDer® 2012 AGM - 2 AMP charger), use the guidelines below. Always verify battery condition before and 1-2 hours after the end of charging.

State of Charge	Voltage (DC)	Action	Charge Time*
100%	12.8-13.0 volts	None, check monthly	None required
75%-100%	12.6-12.8 volts	May need slight charge, if no charge given, check in 2 weeks	3-6 hours
50%-75%	12.3-12.6 volts	Needs charge	5-11 hours
25%-50%	12.0-12.3 volts	Needs charge	At least 13 hours
0%-25%	12.0 volts or less	Needs charge	At least 20 hours
* Using AGM specific charger at standard amps specified on top of battery			

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 instructions in the Battery Charging section before installing the battery.

1. Ensure that the battery is fully charged.
2. Place the battery in the battery holder.
3. Coat the terminals with dielectric grease or petroleum jelly.
4. Secure the battery hold-down strap.
5. Connect and tighten the red (positive) cable first.
6. Connect and tighten the black (negative) cable last.
7. Verify that cables are properly routed.
8. Reinstall the seat.

BATTERY STORAGE

Whenever the quadricycle is not used for a period of three months or more, recharge the battery about once a month to make up for normal self-discharge (see the Battery Charging section for details), or use a EGIMOTORS battery trickle charger, which can be left connected during the storage period. Battery trickle chargers will automatically charge the battery if voltage drops below a pre-determined point. See the EGIMOTORS products section for the part numbers.

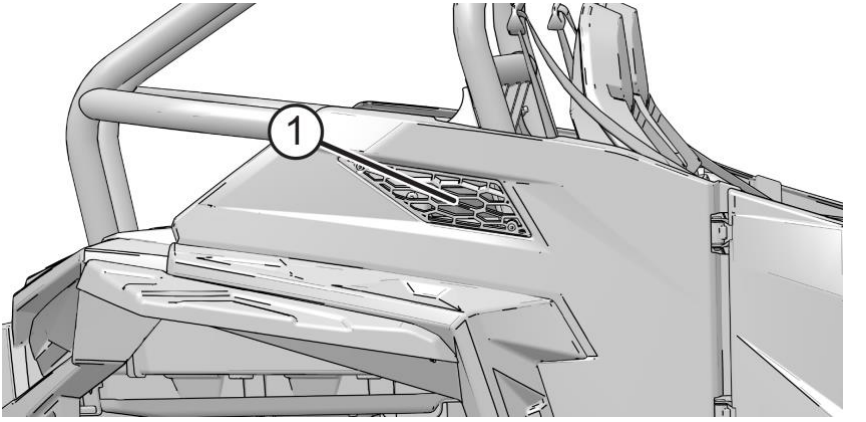
During the storage period, park the quadricycle out of the sun in a cool, dry place or remove the battery and store it in a cool, dry place.

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
Water in the PVT system could cause the drive belt to become wet and slip in the clutches. When washing the quadricycle, always avoid spraying water directly toward the PVT intake duct (1). High water pressure may damage the radiator fins and impair the radiator's effectiveness. High pressure may also damage other quadricycle components. Certain products, including insect repellents and chemicals, will damage plastic surfaces. Do not allow these types of products to contact the quadricycle.



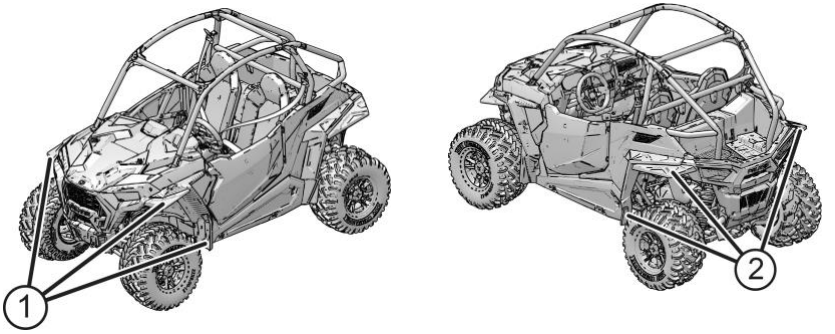
The best and safest way to clean your EGIMOTORS quadricycle is with a garden hose and a pail of mild soap and water.

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 equipped, be sure to clean the quadricycle's *spray suppression valances* on the front (1) and rear (2).



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 labels. Avoid directing the water stream at the following items:

- Wheel bearings
- Radiator
- Transmission seals
- Brakes
- Cab and body panels
- Labels and decals
- Electrical components and wiring
- Air intake components

If warning and safety labels are damaged, contact your EGIMOTORS dealer for free replacement.

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.
- Avoid the use of products containing a colorant dye. Test any products on an inconspicuous area of the quadricycle before using throughout.

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 for details.

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 Oil and Filter Change section for details.

AIR FILTER / AIR BOX

Replace the air filter. See the Air Filter section for details. 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)

INSPECT AND LUBRICATE

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

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 2-3 tablespoons of engine oil. To access the plug holes, use a section of clear 1/4 in (6.35 mm) 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. See the Spark Plug Gap / Torque section for details.
4. Apply dielectric grease to the inside of each spark plug cap. *Do not reinstall the caps onto the plugs 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. If EGIMOTORS fuel system additive is not used, fuel tank, fuel lines, and injectors should be completely drained of gasoline.
7. Reinstall the spark plug caps to the spark plugs.

BATTERY MAINTENANCE

See the Battery section for storage and charging procedures.

STORAGE AREA / COVERS

Be sure the storage area is well ventilated. Cover the quadricycle with a genuine POLARIS cover. Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation and may promote corrosion and oxidation.

REMOVAL FROM STORAGE

⚠ WARNING

Engine exhaust contains poisonous carbon monoxide and can cause loss of consciousness or death. Never run an engine in an enclosed area.

1. Charge the battery if necessary.
2. Make sure the spark plug is tight. Reinstall the fuse box cover if it was removed for storage.
3. Fill the fuel tank with fuel.
4. Check all the points listed in the Daily Pre-Ride Inspection section. Tightness of the bolts, nuts and other fasteners should be checked by an authorized EGIMOTORS dealer or other qualified service facility.
5. Lubricate at the intervals outlined in the Periodic Maintenance Chart section.

TRANSPORTING THE QUADRICYCLE

Follow these procedures when transporting the quadricycle.

1. Place the transmission in PARK. Stop the engine.
2. Engage the park brake.
3. Slowly release the brake pedal and make sure the transmission is in PARK before exiting the quadricycle
4. Remove the key to prevent loss during transporting.
5. Secure the fuel cap and seats. Ensure that the seats are attached correctly and are not loose.

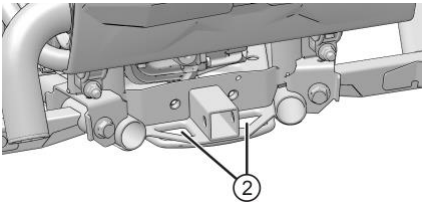
⚠ WARNING

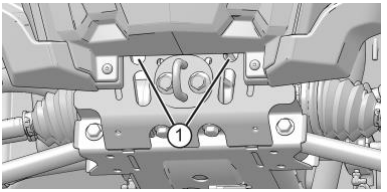
Cargo and other loose quadricycle parts may fly off while transporting this quadricycle.
Secure or remove all cargo and inspect the unit for loose parts prior to transport.

6. Always tie the frame of the EGIMOTORS quadricycle to the transporting unit securely with suitable straps or rope. Do not attach tie straps to the front control arm bolt pockets.

(1) Two Front Tie-Down Points

(2) Two Rear Tie-Down Points (or tow loop)





SPECIFICATIONS

Dry Weight estimated	547 kg
Rear Cargo Box Capacity	136 kg
Hitch Tongue Capacity	60 kg
Unbraked Trailer Mass	300 kg
Braked Trailer Mass	600 kg
Maximum Weight Capacity (Payload)	336.4 kg (riders, cargo, accessories, tongue weight)
Fuel Capacity	36 l
Engine Oil Capacity	2.4 l
Coolant Capacity	4.7 l
Demand Drive Fluid Capacity	222 ml
Transmission Oil Capacity	1300 ml
Overall Length/Width/Height	274.3/152.4/182.9 cm
Wheelbase	200 cm
Ground Clearance	31.75 cm
Engine	4-Stroke DOHC Twin Cylinder
Displacement	999 cc
Bore x Stroke	93mm x 73.5mm
Alternator Output	560 W @ 3000 RPM
Compression Ratio	11.0:1
Starting System	Electric
Fuel System	Electronic fuel injection

SPECIFICATIONS

Ignition System	Electronic
Spark Plug / Gap	NGK® MR7F / 0.7-0.8 mm
Front Suspension	Independent double a-arm with 31.1 cm of travel
Rear Suspension	Independent double a-arm with 33.5 cm of travel
Lubrication System	Wet Sump
Driving System Type	Automatic EGIMOTORS Variable Transmission EPS: Lockable Differential
Shift Type	Dual Range P/R/N/L/H
Tires / Tire Pressure - Front	27x9-12 / 0.8 bar unload- 1 bar load
Tires / Tire Pressure - Rear	27x11-12 / 1 bar unload – 1.3 bar load
Brakes, Front/Rear	Foot Activated, 4-wheel hydraulic disc
Headlights	2 Dual Beam Halogen or LED
Taillights	2 LED cluster
Brake Lights	2 LED cluster
Instrument Cluster	Analog and LCD
Auxiliary DC Outlet	12V

SEAT VIBRATION			
Driver	**Awf**	**Aws**	**Ratio**
98 kg	1.434	1.150	0.802
59 kg	1.508	1.011	0.670

OUTPUT GEAR RATIOS

OUTPUT GEAR RATIOS		
Rear		
High Gear	10.73	
Low Gear	18.77	
Reverse	20.41	
Front (including front drive)		
	Non-EPS	**EPS**
High Gear	13.71	11.88
Low Gear	23.94	20.74
Reverse	26.07	22.59
Drive Ratio - Front	3.82	3.31

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. See the Low Range section for details.
Driving at low RPM or ground speed 3-7 mph (5-11 km/h)	Drive at a higher speed or use low range more frequently. See the Low Range section for details.
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.
Hauling heavy cargo/ 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. **WARNING!** Excessive throttle may cause loss of control and quadricycle rollover.
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. **WARNING!** Excessive throttle may cause loss of control and quadricycle rollover.
Belt slippage from water or snow ingestion into the PVT system	Dry out the PVT. Prevent water from entering the PVT outlet duct (see the Washing the Quadricycle section for details). Inspect clutch seals for damage if repeated leaking occurs.
Clutch malfunction	See your dealer.

POSSIBLE CAUSE	SOLUTION
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 48 km/h for 1.5 km and for 8 km 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 Quadricycle Break-in Period section for details.
Failed belt	Remove the belt and clean away any debris from the clutch box, clutch duct and engine compartment. Install a new belt. **WARNING!** Failure to remove ALL debris when replacing the belt could result in quadricycle damage and severe injury or death. See the Belt Replacement / Debris Removal section for details.

ENGINE DOESN'T TURN OVER

POSSIBLE CAUSE	SOLUTION
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
Loose electronic control box connections	Inspect, clean, reinstall connectors
Mechanical failure	See your dealer

ENGINE TURNS OVER, FAILS TO START

POSSIBLE CAUSE	SOLUTION
Out of fuel	Refuel
Clogged fuel filter	See your dealer
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 plugs	Inspect plugs and replace if necessary
No spark to spark plug	Inspect plugs and replace if necessary
Water or fuel in crankcase	Immediately see your dealer
Low battery voltage	Recharge the battery to 12.8 VDC
Loose ignition connections	Check all connections and tighten
Mechanical failure	See your dealer

ENGINE BACKFIRES

POSSIBLE CAUSE	SOLUTION
Out of fuel	Refuel
Weak spark from spark plug	Inspect, clean and/or replace spark plugs
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Old or non-recommended fuel	Replace with fresh recommended fuel
Incorrectly installed spark plug wires	See your dealer
Incorrect ignition timing	See your dealer
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with fresh recommended fuel
Exhaust leak	Check all connections
Mechanical failure	See your dealer

ENGINE PINGS OR KNOCKS

POSSIBLE CAUSE	SOLUTION
Poor quality or low octane fuel	Replace with recommended fuel
Incorrect ignition timing	See your dealer
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 plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	Your EGIMOTORS dealer or qualified person 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
Kinked or plugged fuel tank vent line or filter	Inspect and replace
Kinked idle air control lines	Inspect; rotate lines to remove kink
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and replace clogged/wet air filter, and also check for obstructed intake system, debris or cargo blocking intake vents
Clogged intake pre-filter	Inspect and clean (with soapy water) or replace
Other mechanical failure	See your dealer

POSSIBLE LEAN FUEL CAUSE	SOLUTION
Low or contaminated fuel	Add or change fuel, clean the fuel system
Low octane fuel	Replace with recommended fuel
Clogged fuel filter	See your dealer
Low fuel pressure	See your dealer

ENGINE STOPS OR LOSES POWER

POSSIBLE CAUSE	SOLUTION
Out of fuel	Refuel
Kinked or plugged fuel tank vent line or filter	Inspect and replace
Water is present in fuel	Replace with new fuel
Fouled or defective spark plugs	Inspect, clean and/or replace spark plug
Worn or defective spark plug wires	See your dealer
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 replace clogged/wet air filter, and also check for obstructed intake system, debris or cargo blocking intake vents
Clogged intake pre-filter	Inspect and clean (with soapy water) or replace
Other mechanical failure	See your dealer
Overheated engine	Clean radiator screen and core, clean engine exterior, check coolant level, see your dealer if condition persists

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**
Engine Control Module			
Accelerator Position 2	Voltage Above Normal, Or Shorted To High Source	29	3
	Voltage Below Normal, Or Shorted To Low Source		4
Throttle Position Sensor 1	Voltage Above Normal, Or Shorted To High Source	51	3
	Voltage Below Normal, Or Shorted To Low Source		4
Quadricycle Speed Sensor	Data Erratic, Intermittent Or Incorrect	84	2
Accelerator Position 1	Voltage Above Normal, Or Shorted To High Source	91	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Manifold Absolute Pressure Sensor	Voltage Above Normal, Or Shorted To High Source	102	3
	Voltage Below Normal, Or Shorted To Low Source		4

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
Intake Air Temperature Sensor	Data Valid But Above Normal Operational Range - Most Severe Level	105	0
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Barometric Pressure Sensor	Voltage Above Normal, Or Shorted To High Source	108	3
	Voltage Below Normal, Or Shorted To Low Source		4
Engine Temperature Sensor	Data Valid But Above Normal Operational Range - Most Severe Level	110	0
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Abnormal Rate Of Change		10
	Data Valid But Above Normal Operating Range - Moderately Severe Level		16
Fuel Rail Pressure Sensor	Data Erratic, Intermittent Or Incorrect	157	2
	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 - Least Severe Level		15

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
	Data Valid But Below Normal Operating Range - Least Severe Level		17
	Data Valid But Below Normal Operational Range - Most Severe Level		1
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
Engine Speed	Condition Exists	190	31
Gear Sensor Signal	Data Erratic, Intermittent Or Incorrect	523	2
Crankshaft Position Sensor	Data Erratic, Intermittent Or Incorrect	636	2
Injector 1 (Front) (MAG) (SDI Port Injector)	Voltage Above Normal, Or Shorted To High Source	651	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Injector 2 (Rear) (PTO) (SDI Port Injector)	Voltage Above Normal, Or Shorted To High Source	652	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
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
Knock Sensor 1	Data Valid But Below Normal Operational Range - Most Severe Level	731	1
Fan Relay Driver Circuit	Voltage Above Normal, Or Shorted To High Source	1071	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Boost Pressure Sensor	Data Valid But Above Normal Operational Range - Most Severe Level	1127	0
	Data Erratic, Intermittent Or Incorrect		2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
	Condition Exists		31
Ignition Coil Primary Driver 1 (Front) (MAG)	Voltage Above Normal, Or Shorted To High Source	1268	3
Ignition Coil Primary Driver 2 (Rear) (PTO)	Voltage Above Normal, Or Shorted To High Source	1269	3
PWM Fuel Pump	Voltage Above Normal, Or Shorted To High Source	1347	3

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Fuel Pump Module Errors	Abnormal Frequency Or Pulse Width Or Period		8
	Voltage Below Normal, Or Shorted To Low Source		4
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
ECU Output Supply Voltage 1	Voltage Above Normal, Or Shorted To High Source	3597	3
	Voltage Below Normal, Or Shorted To Low Source		4
ECU Output Supply Voltage 2	Voltage Above Normal, Or Shorted To High Source	3598	3
	Voltage Below Normal, Or Shorted To Low Source		4
ECU Output Supply Voltage 3	Voltage Above Normal, Or Shorted To High Source	3599	3
	Voltage Below Normal, Or Shorted To Low Source		4
Cylinder Misfire	Mechanical System Not Responding Or Out Of Adjustment	65590	7

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
Cylinder 1 Misfire	Mechanical System Not Responding Or Out Of Adjustment	65591	7
Cylinder 2 Misfire	Mechanical System Not Responding Or Out Of Adjustment	65592	7
ETC Accelerator Position Sensor Outputs 1 & 2 Correlation	Data Erratic, Intermittent Or Incorrect	65613	2
Fuel Pump Controller	Abnormal Frequency Or Pulse Width Or Period	66028	8
	Bad Intelligent Device Or Component		12
Throttle Position Sensor 2	Voltage Above Normal, Or Shorted To High Source	520198	3
	Voltage Below Normal, Or Shorted To Low Source		4
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
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

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Oxygen Sensor Heater 1	Data Erratic, Intermittent Or Incorrect	520209	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
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
Throttle Body Control - Adaption Aborted	Condition Exists	520279	31

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
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	Voltage Above Normal, Or Shorted To High Source	520283	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
Throttle Body Control - Requested Throttle Angle Not Plausible	Condition Exists	520305	31

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
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
Knock Sensor Positive Line	Voltage Above Normal, Or Shorted To High Source	520331	3
	Voltage Below Normal, Or Shorted To Low Source		4
Knock Sensor Negative Line	Voltage Above Normal, Or Shorted To High Source	520332	3
	Voltage Below Normal, Or Shorted To Low Source		4
ECU Monitoring (Pedal Map Mismatch)	Condition Exists	520336	31
Wastegate Solenoid Driver	Voltage Above Normal, Or Shorted To High Source	520341	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
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

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
Intercooler Pump Driver Circuit	Voltage Above Normal, Or Shorted To High Source	520496	3
	Voltage Below Normal, Or Shorted To Low Source		4
	Current Below Normal Or Open Circuit		5
Wideband Oxygen Sensor Bank 1 Sensor 1 Pumping Current Trim	Current Below Normal Or Open Circuit	520612	5
Wideband Oxygen Sensor Bank 1 Sensor 1 Positive Current Control	Current Below Normal Or Open Circuit	520613	5
Wideband Oxygen Sensor Bank 1 Sensor 1 Negative Current Control	Current Below Normal Or Open Circuit	520614	5
Wideband Oxygen Sensor Bank 1 Sensor 1 Reference Voltage	Current Below Normal Or Open Circuit	520615	5
Wideband Chip	Bad Intelligent Device Or Component	520679	12
Start Switch	Data Erratic, Intermittent Or Incorrect	521083	2
EPAS Module			
Steering Over Current Shut Down	Current Above Normal Or Grounded Circuit	520221	6
Steering Excessive Current Error	Current Above Normal Or Grounded Circuit	520222	6
Steering Torque Partial Failure	Condition Exists	520223	31

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
Steering Torque Full Failure	Condition Exists	520224	31
EPAS Inverter Temperature	Data Valid But Above Normal Operational Range - Most Severe	520225	0
	Data Valid But Above Normal Operating Range - Severe		16
EPAS Communications Receive Data Error	Data Erratic, Intermittent Or Incorrect	520226	2
	Condition Exists	520226	31
Position Encoder Error	Root Cause Not Known	520228	11
	Bad Intelligent Device Or Component	520228	12
	Condition Exists	520228	31
EPAS Software Error	Bad Intelligent Device Or Component	520229	12
	Condition Exists	520229	31
EPAS Power Save Condition	Condition Exists	520231	31
EPS SEPIC Voltage Error	Voltage Above Normal, Or Shorted To High Source	524086	3
	Voltage Below Normal, Or Shorted To Low Source	524086	4
Calibration CRC	Checksum/CRC Error	630	13
Steering Torque Full Failure	Torque Sensor Out of Range	520223	31
	Torque Sensor Linearity Error	520224	31
EPS CAN Communications Receive Error	No RX Message for {{cal parameter}} seconds	520226	2
Quadricycle Speed	Quadricycle Speed Too High	84	0

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
	Quadricycle Speed Implausible		10
	Received Quadricycle Speed has Errors		19
Engine Speed	Engine Speed Too High	190	0
	Received Engine Speed has Errors	190	19
Battery Voltage	Too High	168	3
Battery Voltage	Too Low	168	4

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
Position Encoder Error	Loss of SPI Communication	520228	12
	Encoder Variance Error		31
EPS Software Error	Manufacturing CRC Error	520229	12
	Boot Count Error		31
ICS Communication	Loss of CAN between EPS and Instrument Cluster	520230	31
EPAS Power Save	5 minute time out	520231	31
ECU Memory	EEPROM Communication Error	628	12
	Application CRC Error		13
VGD Low	VGD Low	524086	4
Absolute Position Sensor	Absolute Position Sensor Out of Range	1807	31
	Absolute Position Sensor Not Calibrated	1807	13

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
Suspension Control Module			
Quadricycle Speed Sensor	Data Drifted High	84	20
	Data Drifted Low		21
Transmission Requested Range Data	Data Erratic, Intermittent Or Incorrect	162	2
Suspension Mode Switch Input	Data Erratic, Intermittent Or Incorrect	516098	2
	Voltage Above Normal, Or Shorted To High Source		3
	Voltage Below Normal, Or Shorted To Low Source		4
Valve Driver Front Left	Voltage Above Normal, Or Shorted To High Source	516106	3
	Voltage Below Normal, Or Shorted To Low Source		4
Valve Driver Front Right	Voltage Above Normal, Or Shorted To High Source	516107	3
	Voltage Below Normal, Or Shorted To Low Source		4
Valve Driver Rear Left	Voltage Above Normal, Or Shorted To High Source	516108	3
	Voltage Below Normal, Or Shorted To Low Source		4
Valve Driver Rear Right	Voltage Above Normal, Or Shorted To High Source	516109	3
	Voltage Below Normal, Or Shorted To Low Source		4

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
Shock Valve Power Supply Relay Driver	Voltage Above Normal, Or Shorted To High Source	516110	3
	Voltage Below Normal, Or Shorted To Low Source		4
Absolute Shock Current Error - Front Left	Root Cause Not Known	516111	11
Absolute Shock Current Error - Front Right	Root Cause Not Known	516112	11
Absolute Shock Current Error - Rear Left	Root Cause Not Known	516113	11
Absolute Shock Current Error - Rear Right	Root Cause Not Known	516114	11
Internal Inertial Measurement Unit	Bad Intelligent Device Or Component	516115	12
	Data Valid But Above Normal Operating Range - Least Severe Level		15
	Data Valid But Below Normal Operating Range - Least Severe Level		17

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
CAN Message PGN 65382	Abnormal Update Rate	516116	9
CAN Message PGN 65396	Abnormal Update Rate	516117	9
CAN Message PGN 65314	Abnormal Update Rate	516118	9
SW Version & HW Version Mismatch	Data Erratic, Intermittent Or Incorrect	516119	2
CAN Message PGN 65265	Abnormal Update Rate	516120	9
CAN Message PGN 61445	Abnormal Update Rate	516121	9
Steering Angle Adoption Offset	Data Valid But Above Normal Operating Range - Least Severe Level	516122	15
Quadricycle Speed Data	Data Erratic, Intermittent Or Incorrect	516123	2
	Data Drifted High		20
Suspension Control Module	Bad Intelligent Device Or Component	516124	12
CAN 1	Root Cause Not Known	516125	11

DIAGNOSTIC CODES			
COMPONENT	**CONDITION**	**SPN**	**FMI**
System Voltage	Data Valid But Above Normal Operational Range - Most Severe Level	516126	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		16
	Data Valid But Below Normal Operating Range - Moderately Severe Level		18
Raw Brake Switch Status	Data Erratic, Intermittent Or Incorrect	520572	2
Normalized Accelerator Pedal Position	Data Erratic, Intermittent Or Incorrect	520574	2
Engine Speed Data	Data Erratic, Intermittent Or Incorrect	524000	2
Steering Angle Input	Data Erratic, Intermittent Or Incorrect	524114	2

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.

he 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 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; 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 CONSEQUENTAL, 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 TWO YEAR 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.

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. 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 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. 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 quadricycle.

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. 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.

MAINTENANCE LOG

MAINTENANCE LOG

Use the following chart to record periodic maintenance.

DATE	(KM) OR HOURS	TECHNICIAN	SERVICE PERFORMED / COMMENTS

DATE	(KM) OR HOURS	TECHNICIAN	SERVICE PERFORMED / COMMENTS

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 ALIGMENT – 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.
- - TROTTLE – 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.
- - LEAKEAGE – 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 _____

DATE_____/_____/_____

SIGNATURE

STAMP

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 perform 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

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