

NOTE

Read this manual before you operate your TGB Utility Task Vehicle (UTV). It contains safe operating instructions and warns the user about potential hazards that can result in personal injury.

Warnings are identified in the text by the following symbol:



WARNING

Warning text warns the user about potential hazards that can result in personal injury or death.

Cautions are identified in the text by the following symbol:



CAUTION

Caution text contains cautions that can prevent damage to the UTV.

This manual is based on the latest product information available at the time of printing. TGB reserves the right to make changes at any time and without obligation.

Thank you for choosing TGB UTV, our UTV is manufactured under strict quality control system. Separate documents supplied to the dealer provide information on Product Warranty and Emissions Warranty. Failure to follow instructions for emission parts replacement may violate U.S. Federal Law (40 CFR Parts 1051, 1065 and 1068) and be subject to fines and other penalties as described in the Clean Air Act. The use of non-Original Manufacturer approved parts may void the vehicle warranty.

Catastrophic damage to the drivetrain components due to excessive speed may result from driving the vehicle above specified speed. Damage caused by excessive speed may cause a loss of vehicle control, is costly, is considered abuse and will not be covered under the warranty. This warranty excludes:

1. Using unspecified engine oil.
2. Improper maintenance or repairs.
3. Using non-original or modified accessories and parts.
4. Operating lack of conformity to manual.
5. Normal wear and tear seat, spark plug, bulbs, wire filters, battery, brake, belt, chain, sprockets, tires...etc.

Before you operate your new UTV, TGB recommends these important points:

- Read your Owner's Manual
- A child under 16 years old should not operate an UTV when engine size greater than 90 cc.
- Take the training course before your operate UTV, ask your dealer for information.

PREFACE

This manual describes the controls, operation and basic maintenance procedures for the TGB UTV from date of printing. Please take the time to read this manual carefully, for your safety and that of others. By following these instructions, you will ensure extended, trouble free operation of your UTV. Before you drive your TGB UTV, make sure you understand how to use all controls, particularly the brakes and steering system. Learn how to drive your UTV in an open level area, away from buildings, trees and other obstacles, until you are completely familiar with its operating characteristics. Drive very slowly until your driving skills improve, and drive with caution and consideration at all times. The risk of accident or injury is greatest during the first weeks of use. Take special care during this period.

ALWAYS RESPECT OUR ENVIRONMENT.

CAUTION TO THE TGB OWNER/OPERATOR:

Before you operate your new UTV, we highly recommend these important points:

- Read your Operator's Manual.
- Never allow anyone under 16 years of age to operate this vehicle.
- Take the training course before operating your UTV, ask your dealer for more information.
- This vehicle is designed for three riders (one operator and two passengers).
- This Operator's Manual is provided to make the operator aware of proper operating procedures. It also includes useful information related to general care and maintenance of your vehicle.
- Prior to any UTV operation, it is absolutely essential to read and comprehend each section in this manual to develop an understanding of your vehicle and to ensure your safety. After reviewing this manual, store them in a dry and easily accessible place for future reference.
- This manual is designed to help familiarize you with safety, assembly and operation. Read this manual and follow the recommendations to help ensure safe and efficient operation.
- The information contained within this manual was current at the time of printing. Constant improvement in the design and quality of components may result in discrepancies between the actual UTV and information presented in this manual.
- This manual has been prepared to instruct you in the safe and responsible operation of your UTV. Read and abide by all safety alert information about this UTV. If you do not understand any part of this manual, contact your local dealer for additional information and clarification. As the operator of this vehicle, you are in complete control. Only you can prevent an accident from happening.
- Right-hand and left-hand, as used in this manual, are determined when properly seated in the vehicle.
- Never modify the vehicle in any way that will alter the weight distribution of the vehicle, decrease its stability or increase the speed beyond the factory specifications. Such modifications can cause serious personal injury or death. The manufacturer prohibits and disclaims responsibility for any such modifications or any other alteration which would adversely affect the safety of the vehicle. The vehicle manufacturer reserves the right to incorporate engineering and design changes to products in this manual, without obligation to include these changes on units sold previously. The information contained in this manual may be revised periodically by the manufacturer, and therefore is subject to change without notice.

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SECTION 1. INTRODUCTION

This (UTV) has been designed with care and built by skilled workers using quality materials.

Proper setup, maintenance and safe operating practices will help you get years of satisfactory use from this UTV.

Your safety and the safety of all TGB users is of the greatest concern to us. You will find numerous safety statements in this manual. Please read and follow them carefully. Always be safety conscious when you operate your TGB and remember it is a motorized vehicle. Please take the time to develop your driving skills before attempting new challenges. Observe the recommendations outlined in this Operator's Manual and remember; some things are just impossible, even with the TGB.

INTRODUCTION

Thank you for choosing this quality TGB UTV. It has been designed and manufactured to provide you with reliable and enjoyable operation. This Owner's Manual should be considered a permanent part of your vehicle and must remain with the vehicle in the event of a resale.

This manual was prepared to provide you with the information required to operate and maintain your vehicle. This manual also covers rider-related instructions, as well as service and storage instructions. If your UTV ever requires repair or service, contact an authorized TGB dealer for professional service.

As the owner of a TGB UTV, you should become thoroughly familiar with your vehicles basic operation, maintenance and storage procedures. Please read and understand the entire Owner's Manual before operating your TGB UTV to ensure safe and proper use. Always operate your UTV within your level of skill and current terrain conditions.

At the time of publication, all of the information and illustrations in this manual are technically correct. Some illustrations herein are used to best represent a certain procedure or item and are not intended to depict actual conditions. there may be differences between the vehicle images and the text depicted in this manual and your UTV. As such, no retroactive obligation to the product is available.

REPLACEMENT PARTS, ACCESSORIES and SERVICE

- Most replacement parts and accessories are typically available from your dealer. For immediate availability and convenience, it is recommended items be ordered from an authorized dealer.
- Unapproved installation of parts or accessories can create a substantial safety hazard and increase the risk of personal injury.
- Use authorized parts only.

INTRODUCTION

PLEASE TAKE A FEW MOMENTS TO GET ACQUAINTED WITH YOUR UTV BY READING THIS OWNER'S MANUAL

NOTE:

The manufacturer **DISCLAIMS LIABILITY FOR ERRORS IN THIS MANUAL**, and **SPECIFICALLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES** resulting from the use of the information and material in this manual.

Name: _____

Address: _____

Telephone: _____

Purchase Date (mm/dd/yyyy): _____

Model: _____

- Before operating this UTV, the owner and each operator must understand that this vehicle was not designed or manufactured to meet specifications for use on public roads, streets, highways or thoroughfares.
- The owner and operator(s) must read and understand all the instructions for proper assembly and safe operation, as well as the instructions concerning the engine and all other portions of the UTV, as described and illustrated in this manual.
- This vehicle is **NOT** to be operated by anyone under 16 years of age.
- This vehicle is **NOT** a toy.
- Be sure to follow the recommended maintenance schedule and service your UTV accordingly.

PREVENTATIVE MAINTENANCE IS EXTREMELY IMPORTANT TO THE SAFE OPERATION AND LONGEVITY OF YOUR UTV

We advise you to follow the recommended maintenance program as outlined in this manual. This program is designed to ensure all critical components on this UTV are thoroughly inspected at specified intervals

INTRODUCTION

GETTING ACQUAINTED WITH YOUR UTV

This manual will provide you with a good basic understanding of the features and operation of this UTV. This manual includes important safety information. It provides information about special techniques and skills necessary to ride the UTV. It also includes basic maintenance and inspection procedures. If you have any questions regarding the operation or maintenance of your UTV, please consult your dealer.

IMPORTANT SAFETY MESSAGE:

- **You should be aware that A UTV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE.** A UTV handles differently from other vehicles, including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills and over obstacles, if you fail to take proper precautions.
- Read this manual carefully and completely before operating your UTV. Make sure you understand all instructions.
- Operation of this vehicle is restricted to those 16 years of age and older. Passengers must be able to keep their back against the seat back with feet flat on the floor while holding onto the handhold.
- Pay attention to the warning labels on the UTV.
- Never operate a UTV without proper training or instruction.
- This UTV is designed for a three riders (one operator and two passengers).
- This UTV is designed exclusively for off-road use. It is not designed, properly equipped or licensed to be safely operated on public streets and highways.
- This UTV complies with all applicable off-road noise level and spark arrester laws and regulations in effect at the time of manufacture.
- Please check your local riding laws and regulations before operating this UTV.
- For your safety, follow and understand all CAUTIONS, WARNINGS and LABELS contained in this Operator's Manual.
- Keep this Operator's Manual with your UTV at all times for reference. **FAILURE TO FOLLOW THE WARNINGS and CAUTIONS CONTAINED IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH.**

IMPORTANT

Operate this UTV with safety constantly in mind. Off-road vehicles face unpredictable and often hazardous terrain conditions. It is ultimately the operator's responsibility to handle the vehicle safely within its limitations and to decide when and where to travel.

INTRODUCTION

FOR MORE INFORMATION ON OUR FULL PRODUCT OFFERING, VISIT OUR WEBSITE

- For a detailed description of warranty coverage for your UTV, visit our website.



WARNING

All engine exhaust contains carbon monoxide, a deadly gas. Carbon Monoxide is a colorless, odorless, tasteless gas, which may be present even if you do not see or smell any engine exhaust.

Avoid Carbon Monoxide Poisoning.

- 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.
- Do not run engine outdoors where engine exhaust can be drawn into a building through opening such as windows and doors.

SECTION 2. SAFETY INFORMATION

A UTV is NOT a Toy and Can Be Hazardous To Operate

A UTV handles differently from other vehicles such as motorcycles and cars. A collision or rollover can occur quickly, even during routine operation such as turning, driving over obstacles, on hills or rough terrain, if you do not take necessary precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- Read this manual and all CAUTION/WARNING labels carefully and follow the operating procedures described.
- Never operate a UTV without proper instruction. Take a training course. Beginners should receive training from a certified instructor.
- Never allow anyone under 16 years of age to operate this UTV.
- Always wear the seat belt when operating or riding this UTV. Secure the cab doors (if equipped).
- Never permit a guest to operate this UTV unless the guest has read this manual and all product labels and has completed the training course.
- Never operate a UTV on any paved surfaces, including sidewalks, driveways, parking lots, and streets.
- Never operate this UTV on any public street, highway, or road (dirt or gravel).
- Never operate a UTV without wearing an approved helmet that fits properly. You should also wear eye protection (goggles or glasses), gloves, boots, long-sleeved shirt or jacket, and long pants.
- Never consume alcohol or drugs before or while operating this UTV.
- Never carry a passenger in the cargo box of this UTV.
- Never operate this vehicle with the cargo box lifted or removed.
- Never operate this vehicle with the ROPS (Roll Over Protective Structure) removed. The ROPS provides as a structure to help limit intrusions by branches or other objects and may reduce the risk of injury in an accident.
- Always securely fasten the side restraints before operating the vehicle.
- Never put your hands or feet outside the vehicle for any reason while the vehicle is moving. Do not hold onto the ROPS or side restraint bar. If you think or feel the vehicle may tip, do not put your hands or feet outside the vehicle as they will not be able to prevent the vehicle from tipping. Any part of your body outside the vehicle can be injured by passing objects, the vehicle itself, or the ROPS.
- Never operate at excessive speeds. Always travel at a speed which is proper for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheelies, jumps, or other stunts.
- Always inspect this UTV each time you use it to make sure it is in safe operating condition. Always follow the inspection, maintenance procedures and schedules described in this manual.
- Always keep both hands on the steering wheel and both feet on the floor of the UTV during operation.

SAFETY INFORMATION

A UTV is NOT a Toy and Can Be Hazardous To Operate

- Always go slow and use caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the UTV.
- Never operate the UTV on hills too steep for the abilities of the operator or the vehicle. Practice on smaller hills before attempting larger hills.
- Never operate on excessively rough, slippery, or loose terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at slow speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
- Always have the UTV inspected by an authorized TGB dealer if it has been involved in any type of accident.
- **NEVER OPERATE UP OR DOWN HILLS STEEPER THAN 15 DEGREES.**
- Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with slippery or loose surfaces. Never accelerate suddenly. Never go over the top of any hill at a high rate of speed.
- Always follow proper procedures for going down hills and for braking on hills as described in this manual. Check the terrain carefully before you start down any hill. Never go down a hill at a high rate of speed. Avoid going down a hill at an angle which would cause the UTV to lean sharply to one side. Go straight down the hill whenever possible.
- Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with slippery or loose surfaces. Never attempt to turn the UTV around on any hill until you have mastered the turning techniques described in this manual on level ground. Avoid crossing the side of a steep hill if possible.
- Always use proper procedures if you stall or roll backward when climbing a hill. To avoid stalling, maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special instructions for braking described in this manual.
- Always check for obstacles before operating in a new area.
- Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Never operate a UTV in fast flowing water or in water deeper than 35cm (14"). Remember that wet brakes may have reduced stopping capability. Test your brakes after exiting any water. If necessary, apply the brake lightly several times to let friction dry out the pads.
- Always use the size and type of tires specified in this manual.
- Always maintain proper tire pressure as described in this manual.
- Never improperly install or improperly use accessories on your UTV.
- Never exceed the stated load capacity for this UTV.
- Always use the cab nets or doors. Never exceed seating capacity.
- Riding in this UTV 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 UTV.

SAFETY INFORMATION

An UTV is NOT a Toy and Can Be Hazardous To Operate

IMPORTANT MESSAGE

We urge you to read this message before you operate this UTV. Off-road riding can be fun. However, a UTV is not a toy and it can be hazardous to operate. As with any activity involving speed and skill, poor judgment can result in injuries and we don't want that to happen! You can help prevent accidents by making good decisions about if, when, and how you ride this UTV.

Evaluate Riding Readiness

The first decision you'll need to make is whether you're ready to ride. Riding readiness varies widely from one person to another, and while the minimum age for this UTV is 16 years of age, there are other factors that you should consider.

Physical size and ability are important considerations. To help determine whether a rider is big enough for this UTV, sit in the seat with back against the seat back, feet placed flat on the floor, hands on the steering wheel or handholds. If not, you are not physically ready to operate or ride this UTV.

Also make sure you can comfortably reach and operate all the controls. For example, can you turn the steering wheel all the way to the right and left? Can you operate the throttle and brake controls while fully seated? If not, you are not physically ready to ride this UTV.

Before you operate a UTV, decide whether you are physically, mentally and emotionally ready to ride.

Patience And Practice

Even if you take a certified training course, it's up to you to ensure your safety. Remember, learning to ride an UTV is a gradual step-by-step process. It takes time, patience and practice.

Personal Choices

A safe, enjoyable UTV ride is dependent on many personal choices. A UTV, like all motorized vehicles, can be dangerous to operate if you choose to ignore safety precautions, take unnecessary chances, or ride beyond your ability or your UTV's capability. Don't allow the thrill of freedom or adventure to affect your ability to make good, safe choices.

SAFETY INFORMATION

An UTV is NOT a Toy and Can Be Hazardous To Operate

Always Supervise Inexperienced Riders

Supervision is another important obligation of the owner. Even after riders become skilled o-road riders, it also helps to regularly remind all riders to follow the instructions and warnings in this manual. And remember, it's the owner's responsibility to see that the UTV is properly maintained and kept in safe operating condition.

If you choose to lend your UTV to another rider, make sure the rider is 16 years old or older and has completed the safety training course. You should understand that the decision to lend the UTV is yours.

Use the below safety gear before operation:

Clothing and Gear

While riding your UTV, you will find it important to dress correctly to prevent personal injury. Below is the minimum protection recommended to wear during every ride:

1. Helmet
2. Eye Protection
3. Long Pants
4. Long Sleeve Shirt
5. Gloves
6. Boots/Ankle Protection

Helmet

There are many different types and styles of helmet to choose from today. Be sure to choose a helmet that complies with the current standards of the U.S. Department of Transportation (DOT), The Snell Memorial Foundation, or the American National Standards Institute (ANSI). Helmets that comply with one or more of the above standards have a defined label located on the inside or outside of the helmet.

These helmets should provide full-face protection.

If you damage your helmet, obtain a new one immediately.

Remember: Your helmet is not providing any safety if the chin strap is not securely fastened.

Eye Protection

Wear eye protection, such as goggles, to completely surround your eyes to prevent any dirt or other items from getting into your eyes. Sunglasses are not a form of protection as they are open on the sides.

Long Pants and Long Sleeve Shirt

Protection from sticks, branches, long grass, airborne objects, or anything that could possibly scrape your skin. The heavier the material, the better the protection.

SAFETY INFORMATION

A UTV is NOT a Toy and Can Be Hazardous To Operate

Gloves

Gloves will provide protection to your hands from any debris or inclement weather. Choose a glove that provides a gripping surface as well as protection.

Boots/Ankle Protection

Choose a boot that protects the largest possible of your leg (preferable up to your knee) and can handle impact of rocks, dirt or branches. Choose a boot that has low heel and a good tread will help prevent your feet from slipping off the controls in wet or rugged conditions.

First Aid and Survival

Prepare for the unexpected. Emergencies and accidents happen and are ever worse when you are not prepared for them. Below is a recommended list of items you should have before every ride:

1. Tools

Routine maintenance will generally eliminate the need for emergency repairs during your ride. Riding on rough terrain could cause some fasteners to loosen. Carrying the right tools can prevent down time. Below is a recommended list of tools to carry on your ride:

- a. Spark plug
- b. Spare parts
- c. Rope
- d. Tool kit
- e. Duct tape

2. Water

Water is an important part of your ride regardless of the duration. Heat exhaustion and heat stroke can suddenly shorten your ride. If you become dehydrated, you may find yourself unable to safely operate your UTV.

3. Identification

If something happens to you while operating your UTV, emergency personnel will need to know who you are and who to call in the event of an emergency. It may be possible, you are unable to provide that information due to injury. Put identification in your pocket before you ride.

4. First Aid Kit/ Emergency Kit with Flashlight

Several items are recommended in your Emergency Kit including a *Flashlight*; *Matches* in the event you need to start a fire; *Flares* for signaling help; *First Aid Kit* to include bandages, tape, gauze, antiseptic spray, etc. if an injury should occur; *Money*.

5. Communication device - it may be necessary to make an urgent phone call.

6. Map/GPS

SAFETY INFORMATION

Warnings



WARNING

POTENTIAL HAZARD

Failure to follow the age recommendations for this UTV.



WHAT CAN HAPPEN

Use of this vehicle by children can lead to serious injury or death.

Children under the age of 16 may not have the skills, abilities, or judgment needed to operate this vehicle safely and may be involved in an accident causing serious injury or death..

HOW TO AVOID THE HAZARD

Never allow anyone under 16 years of age to operate this UTV.

POTENTIAL HAZARD

Operating this vehicle without proper instruction.

WHAT CAN HAPPEN

The risk of an accident is greatly increased if the operator does not know how to operate this vehicle properly in different situations and on different types of terrain.

HOW TO AVOID THE HAZARD

All operators of this vehicle must read and understand this Operator's Manual and all warning, caution, and instruction labels prior to operating this vehicle.

POTENTIAL HAZARD

Operating this vehicle on paved surfaces.

WHAT CAN HAPPEN

The vehicle's tires are designed for off-road use only and are not for use on pavement. Paved surfaces may seriously affect the handling and control of the vehicle and may cause the vehicle to go out of control.

HOW TO AVOID THE HAZARD

Whenever possible, avoid operating the vehicle on any paved surfaces including streets, parking lots, sidewalks, and driveways. If operating on paved surfaces is unavoidable, travel slowly (less than 16 Kph) and avoid sudden turns and stops.

POTENTIAL HAZARD

Allowing passengers to ride in the cargo box.

WHAT CAN HAPPEN

Serious injury or death. This vehicle is not designed to carry passengers in the cargo box. Passengers riding in the cargo box can be thrown from the vehicle during operation or if involved in an accident resulting in personal injury or death.

HOW TO AVOID THE HAZARD

Never permit passengers to ride in the cargo box. Do not install any seating in the cargo box.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

SAFETY INFORMATION

Warnings

POTENTIAL HAZARD

Operating this vehicle on public streets, roads, or highways.

WHAT CAN HAPPEN

You can collide with another vehicle.

HOW TO AVOID THE HAZARD

Never operate this vehicle on any public street, road, or highway, even a dirt or gravel one. In many states it is illegal to operate an UTV on public streets, roads, or highways. Always check state and local laws and regulations.

POTENTIAL HAZARD

Operating this vehicle after or while consuming drugs or alcohol.

WHAT CAN HAPPEN

Can seriously affect your judgment.
Can cause you to be slow to react.
Can affect your balance and perception.
Can result in an accident causing serious injury or death.

HOW TO AVOID THE HAZARD

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

POTENTIAL HAZARD

Failure to inspect the vehicle before operation.
Failure to properly maintain the vehicle.

WHAT CAN HAPPEN

Increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD

Always inspect the vehicle every time you use it. Ensure it is in safe operating condition.
Always follow the inspection and maintenance procedures and schedules described in this Operator's Manual.

POTENTIAL HAZARD

Operating this vehicle at excessive speeds.

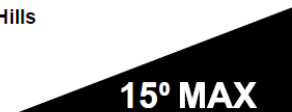
WHAT CAN HAPPEN

Increases the chance of losing control of the vehicle, which can result in an accident.

HOW TO AVOID THE HAZARD

Always operate at a speed that is proper for the terrain, visibility, operating conditions, load, and your age and experience.

Never Operate Up or Down Hills
Steeper than 15°



WARNING

Indicates a potential hazard that could result in a serious injury or death.

SAFETY INFORMATION

Warnings

POTENTIAL HAZARD

Climbing hills improperly.

WHAT CAN HAPPEN

You may lose control, which could result in an accident.

HOW TO AVOID THE HAZARD

Always follow proper procedures for climbing hills.

Always check the terrain carefully before you start up any hill.

Never climb hills with slippery or loose surfaces.

Never accelerate suddenly or make sudden gear changes. The vehicle may flip over backwards.

Never go over the top of any hill at high speeds. An obstacle, sharp drop, or another vehicle or person may be on the other side.

POTENTIAL HAZARD

Operating or riding this vehicle without wearing an approved motorcycle helmet, eye protection, and protective clothing.

WHAT CAN HAPPEN

Operating without an approved helmet increases your chances of a severe head injury or death in the event of an accident.

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.

Operating without protective clothing increases your chances of severe injury in the event of an accident.

HOW TO AVOID THE HAZARD

Always wear an approved helmet that fits properly. You should also wear:

Eye protection (goggles or face shield), Gloves, Boots

Long sleeved shirt or jacket and Long pants

POTENTIAL HAZARD

Operating or riding in the vehicle without wearing a properly secured seat belt.

WHAT CAN HAPPEN

Serious injury or death. Occupants can be thrown in the passenger area of the vehicle, fall out of the vehicle during operation, or be seriously injured in the event of an accident.

HOW TO AVOID THE HAZARD

ALWAYS WEAR YOUR SEAT BELT and require passengers to wear their seat belt.

Secure the cab doors (if equipped).

POTENTIAL HAZARD

Operating or riding in the vehicle without side restraints properly secured.

WHAT CAN HAPPEN

Serious injury or death. Occupants or their body parts can strike objects outside the vehicle, be crushed by the vehicle, or fall out of the vehicle during operation or in the event of an accident.

HOW TO AVOID THE HAZARD

Do not remove the side restraints. Ensure side restraints are secure before operating the vehicle. Stay seated with your seat belt fastened with your body completely inside the vehicle during operation.

SAFETY INFORMATION

Warnings

POTENTIAL HAZARD

Attempting abrupt maneuvers, sliding, skidding, fishtailing or donuts.

WHAT CAN HAPPEN

Increases the chance of losing control including rollover which can result in an accident.

HOW TO AVOID THE HAZARD

Never attempt abrupt maneuvers, sliding, skidding, fishtailing or donuts. Don't try to show off.

POTENTIAL HAZARD

Failure to use caution when operating this vehicle on unfamiliar terrain.

WHAT CAN HAPPEN

You may encounter hidden rocks, bumps, or holes without enough time to react.
Could result in the vehicle going out of control causing an accident.

HOW TO AVOID THE HAZARD

Use caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.

POTENTIAL HAZARD

Failure to use caution when operating this vehicle on rough, slippery, or loose terrain.

WHAT CAN HAPPEN

You may lose traction or control, which could result in an accident.

HOW TO AVOID THE HAZARD

Do not operate this vehicle on rough, slippery, or loose terrain until you have learned and practiced the skills necessary to control this vehicle on such terrain.

POTENTIAL HAZARD

Operating on steep hills.

WHAT CAN HAPPEN

This vehicle can overturn more easily on steep hills than on level surfaces.

HOW TO AVOID THE HAZARD

Never operate this vehicle on hills too steep for the vehicle or for your abilities.
Practice on smaller hills before attempting larger hills.

POTENTIAL HAZARD

Going down a hill improperly.

WHAT CAN HAPPEN

You may lose control, which could cause the vehicle to overturn resulting in an accident.

HOW TO AVOID THE HAZARD

Always follow proper procedures for going down hills.
Always check the terrain carefully before you start down any hill.
Never go down a hill at high speeds.
Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

SAFETY INFORMATION

Warnings

POTENTIAL HAZARD

Stalling, rolling backwards, or improperly dismounting the vehicle while climbing a hill.

WHAT CAN HAPPEN

You may lose control, which could cause the vehicle to overturn resulting in an accident.

HOW TO AVOID THE HAZARD

Use proper gear and maintain steady speed when climbing a hill.

If you lose all forward momentum:

Apply the brakes. Place the transmission park ("P") after you have stopped.

If you begin rolling backwards:

Gradually apply the brakes while rolling backwards.

When fully stopped, place the transmission in park ("P").

POTENTIAL HAZARD

Failure to use caution in turns; turning too sharp or aggressive.

WHAT CAN HAPPEN

You may lose control, which could result in an accident.

HOW TO AVOID THE HAZARD

Always follow proper procedure for turning. Practice turning at slower speeds before attempting to turn at faster speeds. Do not attempt to turn at excessive speeds or too sharp for the conditions and for your experience level.

POTENTIAL HAZARD

Operating the vehicle with improper tires or improper or uneven tire pressure.

WHAT CAN HAPPEN

You may lose control, which could result in an accident.

HOW TO AVOID THE HAZARD

Always use the size and type of tires specified in this Operator's Manual.

Always maintain proper tire pressure.

POTENTIAL HAZARD

Operating the vehicle in deep or fast flowing water.

WHAT CAN HAPPEN

Tires may float, causing loss of traction and loss of control, which could result in an accident.

HOW TO AVOID THE HAZARD

Never operate the vehicle in fast flowing water or in water deeper than the floorboard.

Remember that wet brakes may have reduced stopping capability.

Test the brakes after exiting the water. If necessary, apply the brakes several times to dry out the brake pads.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

SAFETY INFORMATION

Warnings

POTENTIAL HAZARD

Improperly operating over obstacles.

WHAT CAN HAPPEN

You may lose control, which could result in an accident.

HOW TO AVOID THE HAZARD

Before operating in a new area, check for any obstacles.

Never attempt to ride over large obstacles, such as fallen trees, stumps or large rocks.

Follow proper procedures outlined in this manual.

POTENTIAL HAZARD

Operating with the ROPS removed.

WHAT CAN HAPPEN

Could lead to serious injury or death.

HOW TO AVOID THE HAZARD

Never operate this vehicle with the ROPS removed.

POTENTIAL HAZARD

Overloading the vehicle or towing improperly.

WHAT CAN HAPPEN

You may lose control, which could result in an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this vehicle.

Cargo should be distributed properly and secured.

Reduce speed when carrying cargo or pulling a trailer. Allow greater distance for braking.

Always follow proper procedures outlined in this manual.

POTENTIAL HAZARD

Operating this vehicle with improper modifications.

WHAT CAN HAPPEN

Improper installation and improper use of accessories or modification of the vehicle may cause changes in operation or handling which, in some situations, may lead to an accident.

HOW TO AVOID THE HAZARD

Never modify this vehicle through improper installation or improper use of accessories. All parts and accessories added to this vehicle should be components designed for use on this vehicle and should be installed and used according to instructions.

If you have questions, please contact an authorized dealer.

POTENTIAL HAZARD

Failing to avoid pinch points when raising or lowering the cargo box.

WHAT CAN HAPPEN

Fingers, hands, or arms could be seriously injured when raising or lowering the cargo box.

HOW TO AVOID THE HAZARD

Avoid raising and lowering the cargo box until everything is clear of pinch points.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

SAFETY INFORMATION

Warnings

POTENTIAL HAZARD

Starting or running engine in a closed area.

WHAT CAN HAPPEN

Exhaust fumes are poisonous and may cause loss of consciousness and death within a short period of time.

HOW TO AVOID THE HAZARD

Always operate your vehicle outdoors or in an area with adequate ventilation.

POTENTIAL HAZARD

Improper handling of fuel.

WHAT CAN HAPPEN

Fuel can ignite and you could be burned. Fuel is poisonous and can cause serious injury.

HOW TO AVOID THE HAZARD

Always turn off the engine when refueling.

Do not refuel right after the engine has been running and is still very hot. Do not spill fuel on the engine or exhaust pipe/muffler when refueling. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition.

POTENTIAL HAZARD

Hot exhaust system.

WHAT CAN HAPPEN

Someone coming in contact with the exhaust system during or after operation could be burned.

HOW TO AVOID THE HAZARD

Do not touch the hot exhaust system.

Do not park the vehicle in a place where others might be likely to come in contact with the exhaust system.



WARNING

Indicates a potential hazard that could result in a serious injury or death.

SECTION 3. IMPORTANT IDENTIFICATION NUMBERS

- 1. Frame Number:
Record chassis and engine number for future reference.
Number is located front right hand side of chassis as shown in (1)
- 2. Engine number is located front of the engine as shown in (2)
- 3. Manufacturer's date plate (3)
- 4. The manufacturer's data plate is located left hand side of chassis as shown in (3)

3

Taiwan Golden Bee Co, LTD

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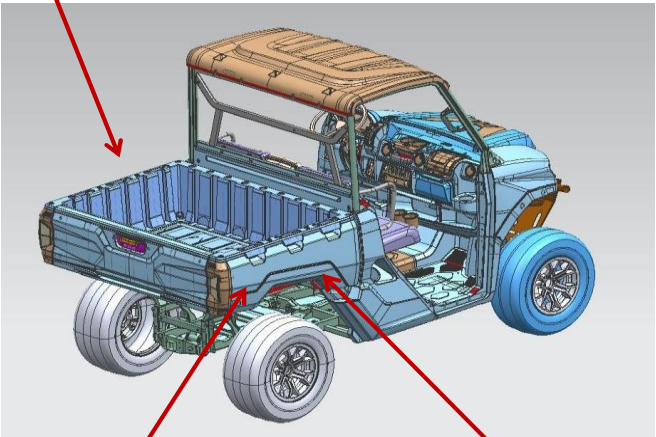
*RFC _____ *

_____ kg

A-1: _____ kg

A-2: _____ kg

	T-1	T-2	T-3
B-1	_____ kg	_____ kg	_____ kg
B-2	_____ kg	_____ kg	_____ kg
B-3	_____ kg	_____ kg	_____ kg
B-4	_____ kg	_____ kg	_____ kg

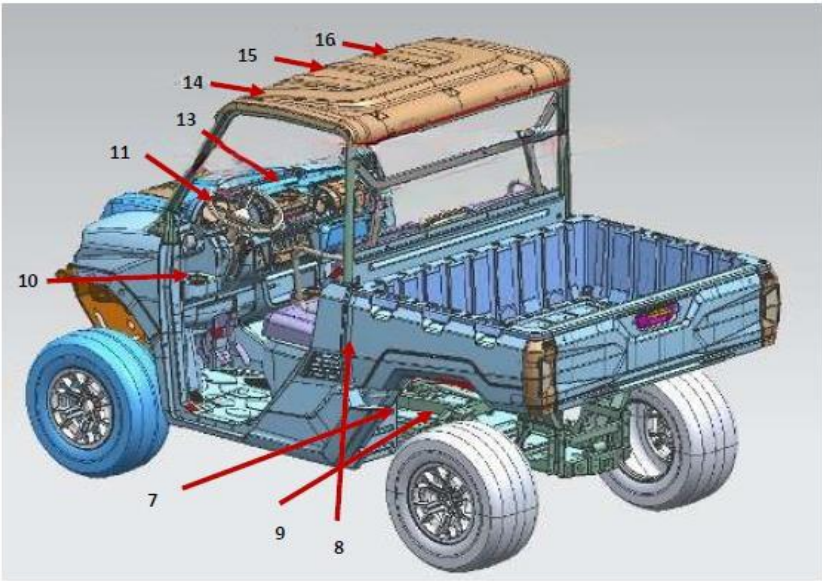
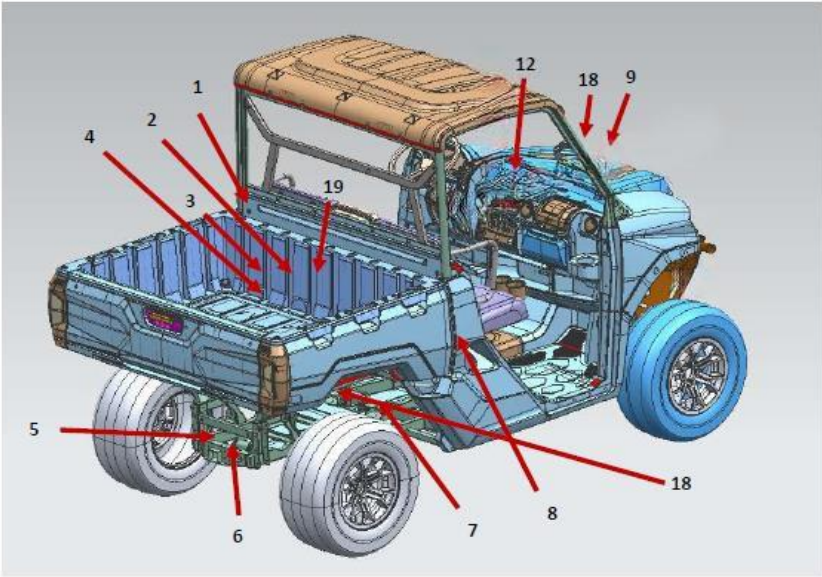


1

2



SECTION 4. LOCATION OF THE WARNING AND SPECIFICATION LABELS



LOCATION OF THE WARNING AND SPECIFICATION LABELS

Read and understand all of the labels on your UTV. These labels contain important information for safe and proper operation.

Never remove any labels from your UTV. If a label becomes difficult to read or comes off, request a replacement label from your TGB dealer.

1



2



3



4



5



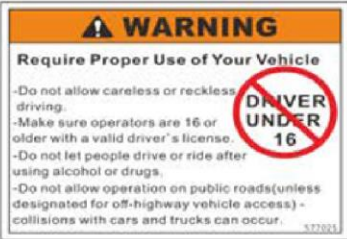
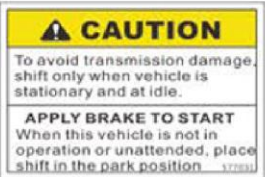
6



7



LOCATION OF THE WARNING AND SPECIFICATION LABELS

- 8 
- 9 
- 10 
- 11 
- 12 
- 13 
- 14 
- 15 
- 16 

SPECIFICATIONS

LOCATION OF THE WARNING AND SPECIFICATION LABELS

19



18

SECTION 5. SPECIFICATIONS

Overall Length		3122	[mm]
Overall Width		1625	[mm]
Overall Height		2065	[mm]
Wheel Base		2120	[mm]
Type		4-siroke Engine, V-Twin	
Installation and arrangement		Vertical, below center, incline	
Fuel Used		Unleaded	
Cycle/Cooling		4-stroke/Water cooled	
Cylinder	Bore	Ø92	[mm]
	Stroke	75	[mm]
	Number/Arrangement	Two Cylinder, V-type	
Displacement		997.1	[cc]
Compression Ratio		10.2:1	
Max. HP		62kw/7000rpm	[kw/rpm]
Max. Torque		89_8Nm 5500rpm	[Nm/rpm]
Ignition		ECU	
Starting System		Electrical starter	
Air filtration		Cylinder Type	
Suspension System	Front	Double A-Arm	
	Rear	Double A-Arm	
Tire Specifications	Front	27X9-14	29X9-14
	Rear	27X11-14	29X11-14
Rim		Aluminum	
Brake System	Front	Disk (Ø 232)	[mm]
	Rear	Disk (Ø 220)	[mm]
Performance	Climb Ability	<15	
	Max Speed	100 with open key	Km/h
Reduction	Primary Reduction	Belt	Km/hm
	Secondary Reduction	Gear/ Shaft	

SPECIFICATIONS

	Transmission	C.V.T., variable speed	
Fuel capacity		42	
Lubrication System		Forced circulation & splashing	
Engine oil	Engine oil	SAE 10 40	
	Capacity	2.5	
Gear lubrication	Spec.	SAE 75W/140	
	Transmission	750	[ml]
	Spec.	SAE 85W/90	
	Front Diff.	700	[ml]
	Rear Diff	600	[ml]
Spark Plug		NGK DCPR8E	
Battery		12/32	v,'AH
Lights	Front Lights (HVLO)	16.2/10.8	[W]
	Tail Lights	3.5X2	[W]

Description	Specifications	
	lb	kg
Vehicle Load Capacity	2086	946
Tongue Weight	250	114
Cargo Weight	1000	454
Tongue Weight and Cargo Weight (maximum)	1250	567
Towing Capacity	2500	1134

Vehicle Load Capacity:

Total weight of operator, passenger, trailer tongue weight, accessories, cargo, and storage compartments.

Tongue Weight:

Downward force exerted on the hitch when the trailer is fully loaded at its normal towing height.

Accessory Weight Examples:

Winch

Tongue and Cargo Weight:

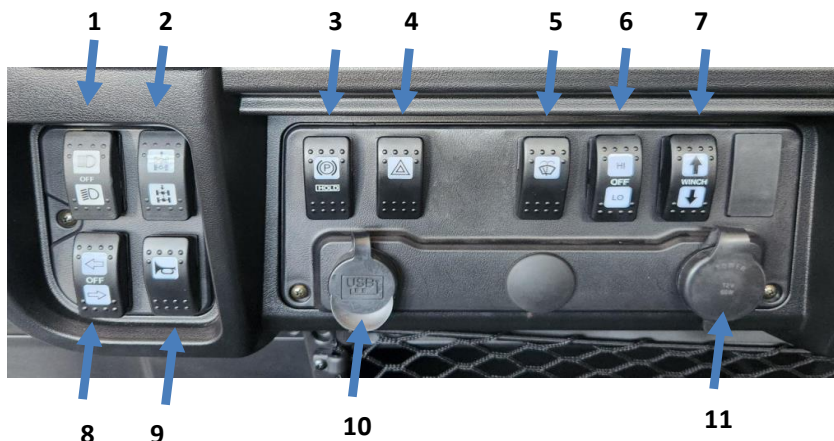
Total weight on trailer tongue and cargo box.

Towing Capacity:

Total weight of trailer and all cargo in/on the trailer.

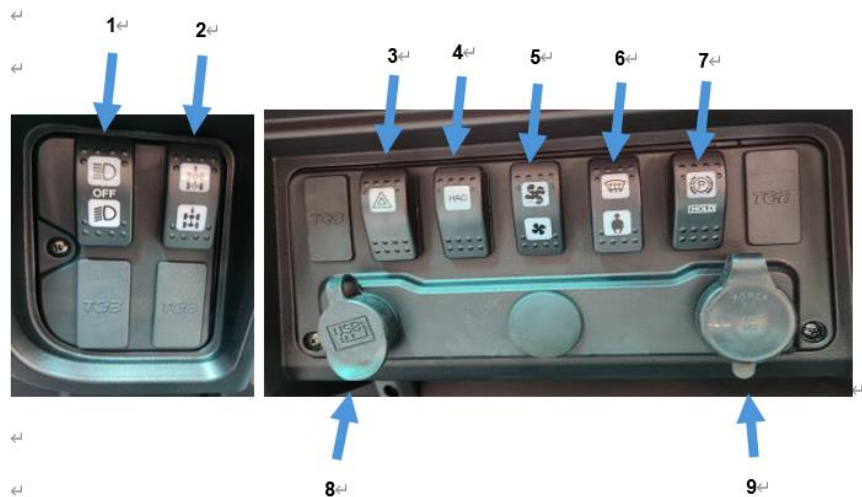
SPECIFICATIONS

SECTION 6. LOCATION OF PARTS & CONTROLS



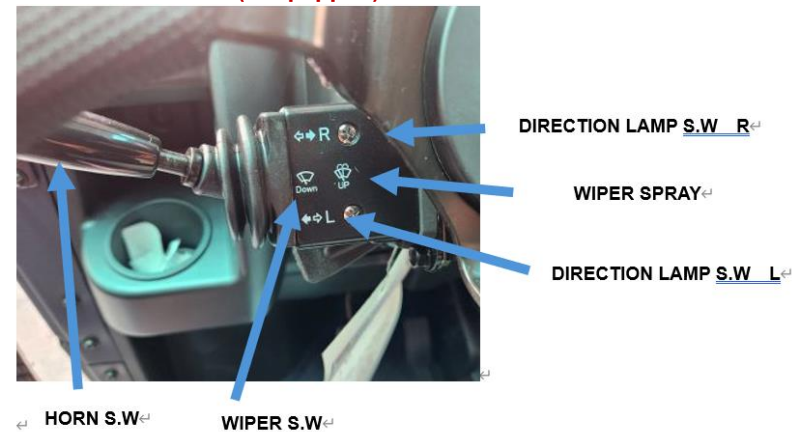
1. HEAD LIGHTS
2. 2WD/4WD LOCK
3. PARKING BRAKE (HOLD) (if equipped)
4. HAZARD (if equipped)
5. Windshield Washer (if equipped)
6. Wiper Motor Speed (if equipped)
7. WINCH
8. DIRECTION LAMP (if equipped)
9. HORN (if equipped)
10. USB PORT
11. 12V PORT

FULL CAB (if equipped)



- 1. HEAD LIGHTS
- 2. 2WD/4WD LOCK
- 3. HAZARD
- 4. HAC {Hill-start Assist Control}
- 5. HEATING/ Airflow Mode
- 6. Windshield Air Vents /Console Air Vents
- 7. PARKING BRAKE (HOLD)
- 8. USB PORT
- 9. 12V PORT

Combination switch (if equipped)



SECTION 7. CONTROL FUNCTIONS

Ignition Switch

Functions of the respective switch positions are as follows:

“OFF” position:

All electrical circuits (except the accessory plug) are switched off. The engine will not start or run. The key can be removed in this position.

“ON” position:

The ignition circuit is complete and the engine can start and run. The key cannot be removed in this position.



“START” position:

The electrical starter is engaged by holding ignition key switch in this position. Upon release, the key will return to the “ON” position. The key cannot be removed in this position.

NOTE: The accessory plug is powered by the battery at all times.

NOTE: This vehicle has safety interlock switches installed to prevent the starter motor from activating when the transmission is not in the “N” (Neutral) or “P” (Park) position. Depress and hold the brake pedal to engage the starter when the transmission is not in park or neutral.



CAUTION

Always leave the ignition switch in the “OFF” position when the engine is not running. Leaving the ignition switch in the “ON” position when the engine is not running may cause the battery to discharge.

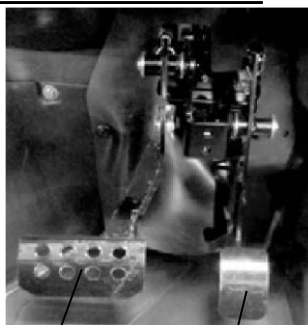
SIGNS AND FUNCTIONS

Position	Name	Function
	Dimmer Switch	Hi-Beam/Lo-Beam Switch
	Shifting the 2WD/4WD/LOCK button	Change Drive mode
	Turn Signal Switch	Right/Left-hand direction
	Horn	Sounded by pushing



CONTROL FUNCTIONS

Brake Pedal and Accelerator Pedal Depress the brake pedal to slow or stop the vehicle. Depress the accelerator pedal slightly to increase engine speed. Always check the accelerator pedal in the original position before starting the engine. Ensure there is adequate accelerator pedal free play.



Brake Pedal Accelerator Pedal

Shift lever

P: Parking use

R: Reverse use

N: Neutral

H: Normal use (driving gear)

L: High torque use (advance gear)

1. Engine starts only in Park and Neutral (N) position, and press the brake pedal.
2. Engage a brake and move the shift lever from N to H, L or R. (L shift is used for rough surfaces)
3. For reverse, with the brake on, and move the shift lever from N to R.
4. If shift lever is not set to PARK (P) or (N) NEUTRAL, the brake pedal must be pressed to allow engine starting.



※While shifting between gears(H,L,R) the vehicle must be at a complete stand still.

Parking shift lever instructions:

1. Engage a brake and move the shift lever to "P" position. Check the "P" indicator is bright on the dashboard.
2. When you Place the shift lever in PARK, which will automatically engage the parking brake at the same time (if equipped), make sure the parking procedure is completely.
3. At "P" position, the engine RPM was limited, open throttle will damage the engine. For RPM checking or adjusting, please shift the lever to "N" position.



CONTROL FUNCTIONS



CAUTION!

Operating the shift lever when vehicle is moving can be hazardous. This is strictly prohibited.

Always wait till the vehicle stops completely, do not operate the UTV at high speed in reverse under any circumstances.

DRIVE MODE SELECT

This UTV equipped with five kinds of drive mode with either front or rear differential function. You can choose the different mode depends on the different terrain.

TURF MODE/4WD/LOCK SELECT BUTTON (W/O Rear Differential)

The TURF MODE/4WD/LOCK SELECT BUTTON is for the use of changing the engine power engages on the wheels. You can select TURF MODE, 4WD or LOCK mode for different road conditions.

TURF MODE: Engage the engine power is only applied to one wheel only. This mode of operation is well suited to turf driving when traction is not needed.

4WD: Engage the engine power on both front and rear wheels with front differential function.

There is a slip limited gear assy. inside the front differential can engage the right and left wheels at different speeds. This provides much more traction than TURF MODE and should be used when riding on wet and slippery surfaces.

LOCK: Engage the engine power on both front and rear wheels without differential

Shifting the TURF MODE/4WD/LOCK button

function. This provides all traction to four wheels and should be used when two or more wheels skid.

1. Stop the vehicle completely.
2. Without LOCK system: Shift the transfer lever to the preferred position.
3. With LOCK system:

4WD Mode:

Press the button to change mode from TURF MODE to 4WD and the indicator lamp will ON at dashboard in 4WD mode.



CONTROL FUNCTIONS

Lock Mode:

Always follow the sequence **TURF MODE**→**4WD**→**LOCK** to operate the button. When engage the lock functions. It should press the button to 4WD mode then shift the lock lever to the "LOCK "position.

Note: During TURF MODE mode, lock button without function.

Release lock function:

To unengage the lock function, always backward the sequence

From **LOCK**→**4WD**→ **TURF MODE**.

Always stop the UTV completely before shifting between TURF MODE,4WD and LOCK.

5.2. TURF MODE/4WD/LOCK SELECT BUTTON(W/ Rear Differential)

There are two directions to select function and follow the sequence by pressing the button's upward arrow or downward arrow. When powered on, the vehicle will reset and begin at 2WD RWD(rear wheel lock), the mode will change by pressing the button's upward arrow in following sequence:

2WD RWD→4WD→TURF MODE→4WD LOCK→4WD RWD



CONTROL FUNCTIONS

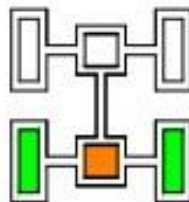
2WD LOCK(RWD):

Rear wheel drive with rear lock function

The UTV on the rear drive mode with Lock on the rear differential.

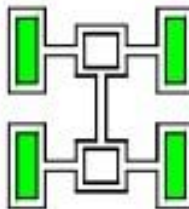
Power is supplied to the rear wheels without rear differential function.

This is mainly use for normal riding with front differential only.



4WD:

Four wheels drive with rear lock function. Power is supplied to the rear and front wheels, with front differential function and rear differential function. This provides much more traction than 2WD and should be used when riding on wet and slippery surfaces.

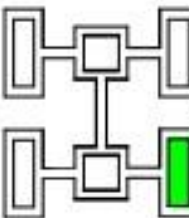


TURF MODE(RWD):

The UTV on the turfdrive mode without Lock on the rear differential.

Power is only applied to one wheel.

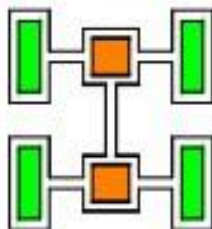
This mode of operation is well suited to turf driving when traction is not needed.



4WD LOCK:

All wheels drive with front and rear lock function. The UTV on the all wheels drive mode with Lock on both front and rear differentials, which means all wheels without differential function. Power is supplied to the rear and front wheels without any differential function.

This provides all traction to four wheels and should be used when two or more wheels skid

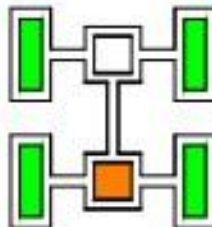


4WD LOCK(RWD):

Four wheels drive with rear lock function. The UTV on the all wheels drive mode with Lock on the rear differential only.

Power is supplied to the rear and front wheels, with front differential function but without rear differential function.

This provides much more traction than 2WD and should be used when riding on wet and slippery surfaces.



CONTROL FUNCTIONS



WARNING!

Always stop the UTV before changing from two-wheel drive to four-wheel drive and vice versa. The UTV handles differently in two-wheel drive than in four wheel drive in some circumstances. Changing from the two-wheel drive to four-wheel drive or vice versa while moving may cause the UTV to unexpectedly handle differently. This could distract the operator and increase the risk of losing control and causing an accident.



WARNING!

Always ride at a slow speed when the UTV is in differential gear lock and allow extra time and distance for maneuvers.

All wheels turn at the same speed when the differential gear is locked, so it takes more effort to turn the UTV. The effort needed to turn increases with the riding speed. You may lose control and have an accident if you cannot make a sharp enough turn for the speed you are travelling.

Electronic Parking Brake system (EPB) (if equipped)

The system is designed to apply the parking brakes to hold your vehicle at a standstill after you stop your vehicle and release the brake pedal.

When the vehicle is stopped, the vehicle speed is 0 km/hr, and the driver presses the button to enter Park/Hold mode, electronic parking brake to hold the vehicle at a standstill means that the driver released the brake pedal while maintaining braking effect when the vehicle has stopped. The vehicle used parking brake to hold the vehicle stationary until you press and hold the button again to release it.

In emergency situations, if the brakes are not functioning properly and the vehicle speed exceeds 10 km/h, press and hold the parking hold button will activate the parking brake to a stop. Do not use this method to stop the vehicle unless absolutely necessary.

WARNING:

- 1.The system cannot replace the parking brake to avoid abnormal damage to brake parts. When you leave your vehicle, place the shift lever in PARK, always apply the parking brake.
- 2.You must remain in your vehicle when the system turns on. At all times, you are responsible for controlling your vehicle. If not careful may result in the loss of control of your vehicle and causing an accident.

The vehicle may have both PARKING/ HOLD and Hill-Start Assist, while the principal is the same, a hill-start assist function is usually only intended to prevent your vehicle from rolling backwards as you transition from the brake to the throttle. PARKING/ HOLD function is intended to hold the vehicle in place until the button of PARKING/ HOLD is pressed and hold, which could be a few seconds or longer.

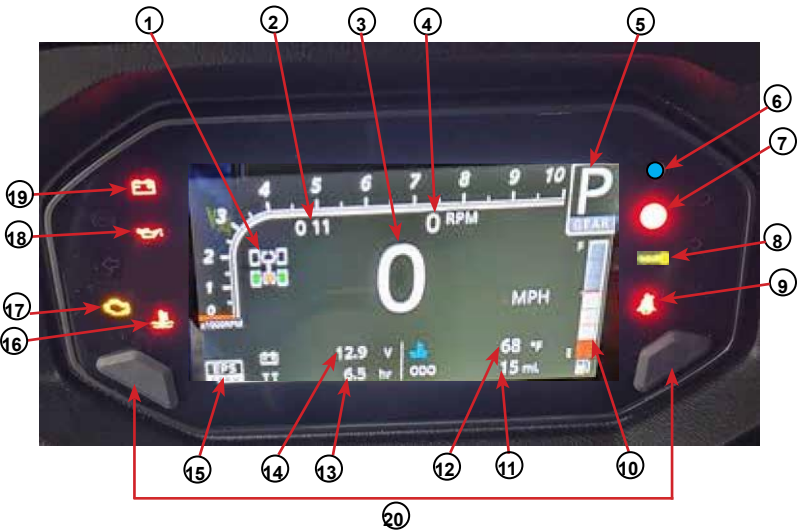
NOTE: The symbol of the Electronic Parking Brake (EPB) system button is PARKING/ HOLD.

CONTROL FUNCTIONS

Indicator Lights

Indicator lights on the display gauge:

- | | |
|----------------------------|--|
| 1. TURF MODE/4WD indicator | 11. Odometer |
| 2. Clock | 12. Coolant temperature |
| 3. Vehicle speed | 13. Engine hours |
| 4. RPM | 14. Battery voltage |
| 5. Gear indicator | 15. EPS mode indicator |
| 6. Hi beam indicator | 16. Temperature indicator |
| 7. Ignition | 17. Check engine indicator |
| 8. Speed key indicator | 18. Oil level indicator |
| 9. Seat belt indicator | 19. Battery voltage indicator |
| 10. Fuel level indicator | 20. Press these two buttons to switch between km/h and MPH |



CONTROL FUNCTIONS

	BATTERY CHARGING INDICTOR(Red)		MAIN BEAM INDICATOR(Blue)
	ENGINE OIL INDICATOR(Red)		ASLD INDICATOR(White)
	HAZARD INDICATOR & DIRECTION (Green)		HAZARD INDICATOR & DIRECTION (Green)
	PARKING INDICATOR(Red)		SPEED LIMIT KEY INDICATOR(Orange)
	MALFUNCTION INDICATOR(Amber)		Daytime running lamp / Green
	COOLANT INDICATOR(Red)		SEAT BELT INDICATOR(Red)
	FUEL GAUGE		SERVICE INDICATOR (Amber)
	LOW BEAM INDICATOR (Green)		



WARNING!

Engine oil warning light will light up when low on oil. Please proceed to fill with correct engine oil according to owners manual and contact your TGB Dealer. After filling up, warning light will turn-off. Please always ride the vehicle with the engine oil warning light off, otherwise, it will cause damage to the engine. If will cause severe damage to the engine if engine keep running under overheating circumstances.

CONTROL FUNCTIONS

BUTTON OPERATION

A. Main Screen Operation :

Press Left button	TT → RT → AVE SPEED → TT
Press Right button	ODO → Trip A → Trip B → Trip O → MAX Record → ODO
Press and hold Left button	1. RT: Clear RT
	2. AVE SPEED: Clear AVE SPEED record
Press and hold Right button	1. ODO: Enter EPS setting menu. (EPS symbol flashing) Press left button to switch EPS mode (MIN→MAX→OFF→MIN) press and hold right button to exit EPS setting
	2. Trip A: Clear Trip A
	3. Trip B: Clear Trip B
	4. Trip O: Reset Trip O
	5. Max Record: Clear MAX Record
Press and hold Left and Right button	Enter Setup Menu

B. Setup Menu Operation :

1. Button operation in setup menu:

Press Left button	Up
Press Right button	Down
Press and hold Left button	Back to main screen
Press and hold Right button	Enter function setting

2. Button operation during function setting:

Press Left button	Adjust value
Press Right button	Move cursor / Go to next setting
Press and hold Right button	Back to setup menu

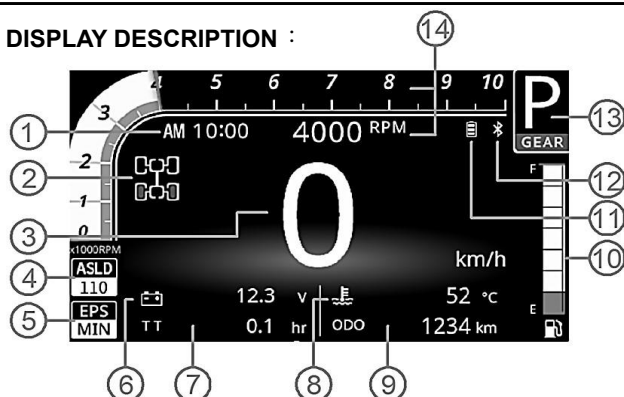
MAINTENANCE INDICATOR

The maintenance indicator will light up when maintenance intervals are reached (Trip O countdown to zero). Please refer to the Periodic Maintenance Table for maintenance requirements.

After carrying out the maintenance actions specified in the Periodic Maintenance Table, clear the maintenance indicator and reset the Trip O counter by resetting Trip O.

CONTROL FUNCTIONS

DISPLAY DESCRIPTION :

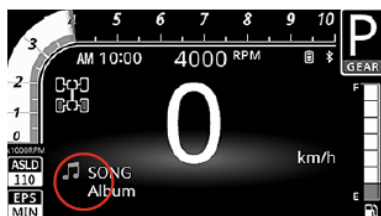


1	Clock	8	Temp
2	Drive Mode	9	ODO 、 Trip
3	Speed	10	Fuel
4	ASLD	11	Phone Battery
5	EPS	12	BLUETOOTH
6	Volt	13	GEAR
7	TT 、 RT 、 AVE SPEED	14	RPM



MAX mode

- 1.Max RPM
- 2.Max Speed
- 3.Max temp.



Music-1

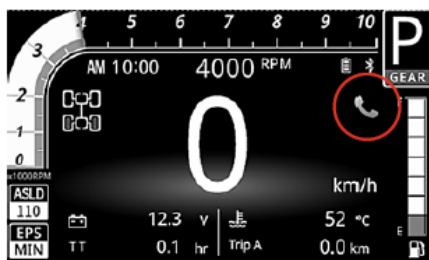


Music-2

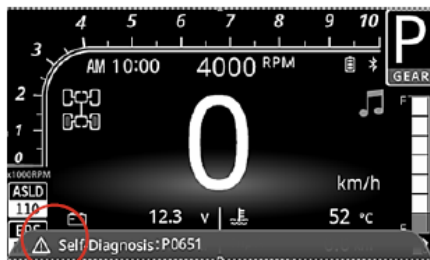


Incoming call or message

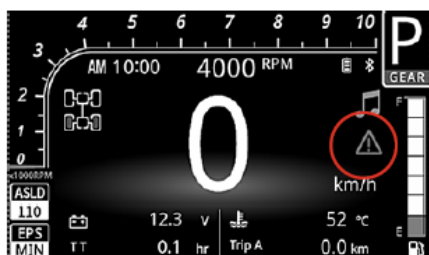
CONTROL FUNCTIONS



Call in progress



Fault warning - 1



Fault warning - 2

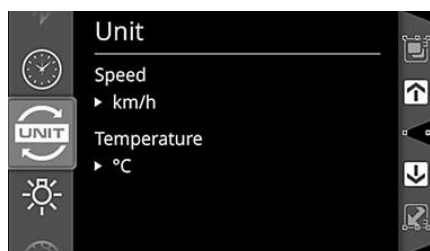


Setting Mode



1. 12/24 hour clock 2.

Time setting



1. Speed unit setting

2. Temperature unit setting



1. Main screen background mode setting: (day, night, automatic)

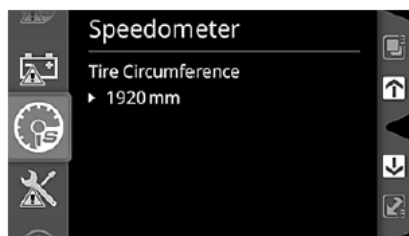
CONTROL FUNCTIONS



1. ASLD (over speed warning) setting



1. Voltage warning setting



1. Wheel diameter setting Note:
For dealer only



1. Bluetooth on/off
2. Mobile phone system (IOS/
Android)

CONTROL FUNCTIONS

SPARK PLUG

Checking the spark plug

The spark plug is an important engine component, which is easy to check. Since heat and deposits will cause any spark plug to slowly erode, the spark plug should be removed and checked in accordance with the periodic maintenance and lubrication chart (page 56). In addition, the condition of the spark plug can reveal the condition of the engine.

To remove the spark plug

1. Remove spark plug cap.
2. Remove the spark plug with spark plug wrench.

To check the spark plug

1. Check that the porcelain insulator around the center electrode of the spark plug is a medium to light tan (the ideal color when the UTV is ridden normally).

NOTES:

If the spark plug shows a distinctly different color, the engine could be operating improperly. Do not attempt to diagnose such problems yourself. Instead have a TGB dealer check the UTV.

2. Check the spark plug for electrode erosion and excessive carbon or other deposits and replace it if necessary.

Specified spark plug: NGK DCPR8E

3. Measure the spark plug gap with a wire thickness gauge and if necessary, adjust the gap to specification.

Spark plug gap: 0.7~0.8 mm

To install the spark plug

1. Clean the surface of the spark plug gasket and its mating surface and then wipe off any grime from the spark plug threads.
2. Install the spark plug with the spark plug wrench and then tighten it to the specified torque.

Tightening torque: 200 +/- 20 kgf/cm

NOTES:

If a torque wrench is not available when installing the spark plug, a good estimate of the correct torque is 1/4-1/2 turn past finger tight. However the spark plug should be tightened to the specified torque as soon as possible.

3. Install the spark plug cap.



CONTROL FUNCTIONS

Tilt Steering Adjustment

Pull the tilt steering adjuster to adjust the position of the steering wheel.



Seat Adjustment (Driver Only)

1. Pull "UP" on the lever on the front of the seat and push forward or backward to the desired position.



Seat Belts

This vehicle is equipped with lap/shoulder seat belts for the operator and passenger(s). The seat belts must be fastened by both operator and passenger(s) each time the vehicle is used, and secure the cab doors (if equipped).



CONTROL FUNCTIONS

Cargo Box

To Lift:

1. Push the cargo box release lever rearward, then slowly lift up on the cargo box until it stops in the "UP" position.

NOTE: There is a lever on both sides of the cargo box.

To Lower:

1. Lower the cargo box slowly to its original position and ensure the box is locked into the "DOWN" position.

Maximum load in the cargo box:

1000 lbs (453 kg)

Cargo Box Lever



Cargo Box Tailgate To Open:

1. Lift "UP" on the tailgate latch located in the center of the tailgate and lower the tailgate.

To Close:

1. Raise the cargo box tailgate to its original position. Ensure latches firmly engage.



Tailgate latch

**WARNING**
DO NOT SIT ON OR USE THE TAILGATE
AS A STEP.

**WARNING**
Never drive your vehicle with the tailgate
in the open position or the cargo box in the
lifted position. This may cause instability
which could lead to an accident.
Tilting the cargo box exposes the
exhaust system. Always keep combustible
materials away from the exhaust system.
Exposure to the exhaust system's hot
components may result in an accident.

CONTROL FUNCTIONS

Hood

To Open:

1. Rotate the hood latches to release the hood, slide the hood towards the front of the vehicle. Remove the hood.

To Install:

1. Slide the hood onto the vehicle from the front and rotate the hood latches. Ensure hood is properly fitted.



WARNING

Ensure the hood is properly installed. If not properly installed, the hood may become loose and fall off and could cause a serious injury or accident.



Front Compartment

1. Follow "Hood" process.



CONTROL FUNCTIONS

Storage Box /Glove Box

To access the storage box compartment, rotate the latch and lift "UP" on the lid.

To access the glove box compartment, rotate the latch and pull "Down" on the lid.

Storage Box

Glove Box

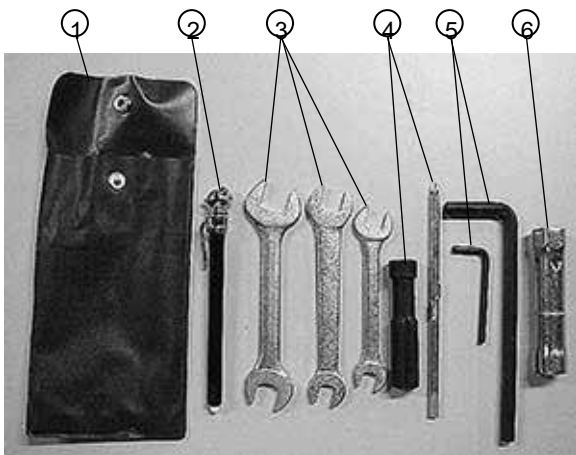


Tool Kit

The tool kit is located in the glove compartment. The tool kit provided with your vehicle is sufficient to perform routine maintenance and simple repairs. Any extensive work requiring additional tools should be performed by your authorized TGB dealer.

It is recommended to put the tool kit in the vinyl bag and always carry them in the glove compartment.

1. Tool Bag
2. Air Pressure Gauge
3. 8/12; 10/14; 17/19 mm Wrenches
4. Screwdriver/Screwdriver Handle
5. Hexagon Wrenches
6. Spark Plug Wre



SECTION 8. GETTING TO KNOW YOUR UTV

Getting To Know Your UTV

This UTV is for recreation use. This section, riding your UTV, provides general UTV riding instructions for recreational riding. The skills and techniques described in this section, however, are appropriate for all types of riding. Riding your UTV requires special skills acquired through practice over a period of time. Take the time to learn the basic techniques well before attempting more difficult maneuvers.

Riding your new UTV can be a very enjoyable activity, providing you with hours of pleasure. But it is essential to familiarize yourself with the operation of the UTV to achieve the skill necessary to enjoy riding safely. Before you begin to ride, be sure you have read this Owner's Manual completely and understand the operation of the controls. Pay particular attention to the safety information and special safety messages. Please also read all caution and warning labels on your UTV.

Before Riding

Before operating the UTV, read and understand the "Important Message" section carefully.

You need to prepare before riding. This includes getting proper instruction, making sure your vehicle is in good operating condition, and learning some basic safe-riding rules.

Rider Preparation - Age Recommendation

The minimum age for this UTV model is 16. For safety, never let anyone under 16 years old operate this vehicle.

Pre-operation Checks

Always inspect your UTV each time you use it to make sure the UTV is in safe operating condition. Perform the pre-operation checks listed in this manual. Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.

Safe Riding Rules

Please note that the safe Riding Rules apply to all UTV riders.

Even if you are an experienced rider, or after you become one, continue to follow these guidelines for your own safety and enjoyment.

Protective Apparel

Always wear an approved motorcycle helmet when riding your UTV. You should also always wear goggles or a face shield, gloves, boots, a long-sleeved shirt or jacket, and long pants.

GETTING TO KNOW YOUR UTV

Accessories

Genuine TGB accessories have been specifically designed for and tested on this vehicle. Because TGB cannot test all other accessories, you are personally responsible for properly selecting, installing, and using non- TGB accessories.

1. Carefully inspect the accessory to make sure it does not block any lights, reduce ground clearance, or limit suspension travel, steering travel, or other controls.
2. Make sure the accessory does not interfere with your ability to shift body position on the seat or operate hand and foot controls.
3. Do not add electrical equipment that will exceed the vehicle's electrical system capacity. A failed fuse could cause a loss of lights or engine power.

No Modifications

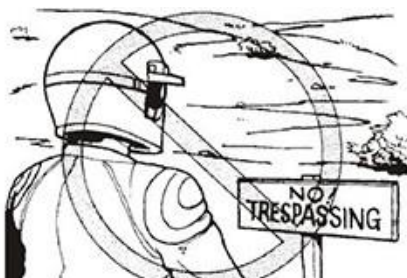
Modifying this UTV or removing original equipment may render the vehicle unsafe or illegal. Spark arresters and mufflers are required in most areas. Don't modify your exhaust system or emission control system components.

Remember, excessive noise bothers everyone and creates a bad image for offroad vehicles.

For Off-Road Use Only

This UTV is designed and manufactured for off-road use only.

Do not ride in areas posted "no-trespassing". Do not ride on private property without getting permission.



Environment

The environment that you will operate your UTV in is often harsh and sometimes dangerous if you don't take proper precautions.

Weather

You need to consider the weather when you participate in an outdoor activity such as riding an UTV. It is dangerous to ride your UTV when the weather is bad or could potentially become bad. Before starting out on your UTV, check the weather forecast for the location and duration of your ride.

Terrain

Always pay close attention to the terrain you're on, even if it is in an area familiar to you. Do not assume that the landscape you're used to doesn't change. Changes to landscape can happen at any time; fences can be constructed and excavations dug in a short period of time. Weather, climate, and development take their toll as well as erosion and other changes that can affect your OHRVs ability to ride smoothly and securely.

GETTING TO KNOW YOUR UTV

Because terrain can constantly change in configuration, you may not know how it has changed until you get there. Whether it's familiar or not, check out your surroundings before and during your ride.

Night Riding

It is best to avoid riding your UTV at night when visibility is limited. With little to no light, it is difficult to see what is around you.

If you must ride at night, proceed slowly and never ride at a speed that would prevent you from reacting to something that could come up in the limited view of your headlamps.

Paved Surfaces

Avoid riding your UTV on paved surfaces. Your vehicle was not designed for use on pavement and its handling will become more difficult and unpredictable than when riding on non-paved surfaces.

Trail Riding

Use sound judgment when trail riding with your UTV. You should only ride on trails that suit your riding ability.

Make yourself visible to others by using your OHRVs headlights and taillights. If you stop, pull completely off the trail in a way to protect yourself, your UTV, and the environment.

Be aware of the rules and the laws that govern the area in which you will be riding your UTV. Learn which trails you can legally and safely ride on and who else might be on those trails. Be aware of the signs posted in the areas you ride that would designate trail types and restrictions.

Weight Limits

There are limits to how much weight can be carried on your UTV. See Weight Limits section in the Specifications section. Modifying your UTV, using non-standard equipment or riding on terrain that is not flat and smooth could further reduce these limits.

Never exceed the stated load capacities for this vehicle. Cargo should be properly distributed and securely attached. Reduce speed when carrying cargo or pulling a trailer and allow greater distance for braking.



WARNING

Overloading this vehicle could result in loss of control resulting in serious injury or death.

GETTING TO KNOW YOUR UTV

Towing

This vehicle is equipped with a rear frame-mounted receiver for a standard 2 in (5.1 cm) receiver hitch (purchased separately).



WARNING

Ensure the load in/on the trailer is properly secured to prevent shifting while moving. **DO NOT OVERLOAD** the trailer.

Always maintain a slow speed when towing. Avoid sudden stops, sudden accelerations, or quick turns. Braking distances are affected when towing a trailer. When towing a trailer, always allow more stopping distance.



WARNING

Operating this vehicle without using extra caution when towing a trailer may be extremely dangerous. Trailer towing can affect the handling and braking of the vehicle. Tow only at low speeds and never exceed 16 kph. Avoid sudden stops and accelerations. Do not make sudden or quick turns. Avoid uneven surfaces and do not tow on a hill.

Transporting

When transporting this vehicle, follow the below procedure:

NOTE: The vehicle must be transported on all four wheels.

1. Place the transmission in park "P".



CAUTION

Failure to place the transmission in park "P" could allow the vehicle to roll off the trailer in the event of a strap failure.

2. Secure the vehicle to the deck/platform using proper load rated tie-down straps on the front and rear of the vehicle..



CAUTION

Ensure side restraint buckles are securely fastened while transporting to prevent possible buckle damage to the vehicle.

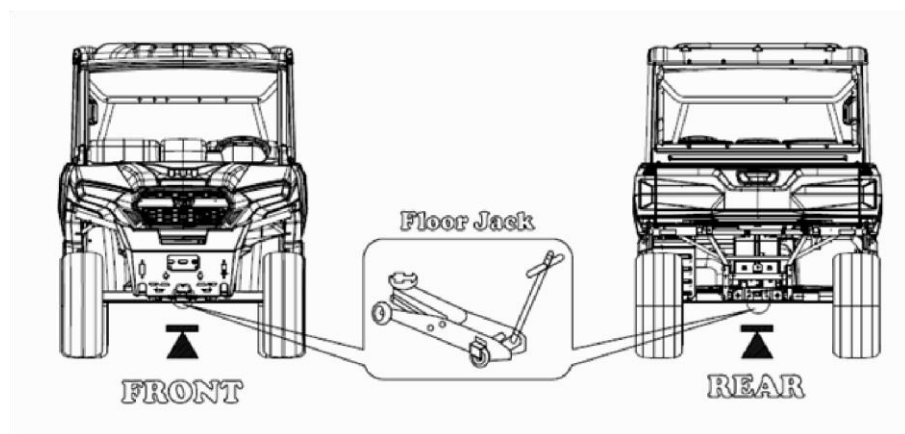
GETTING TO KNOW YOUR UTV

Jacking Points

NOTE:

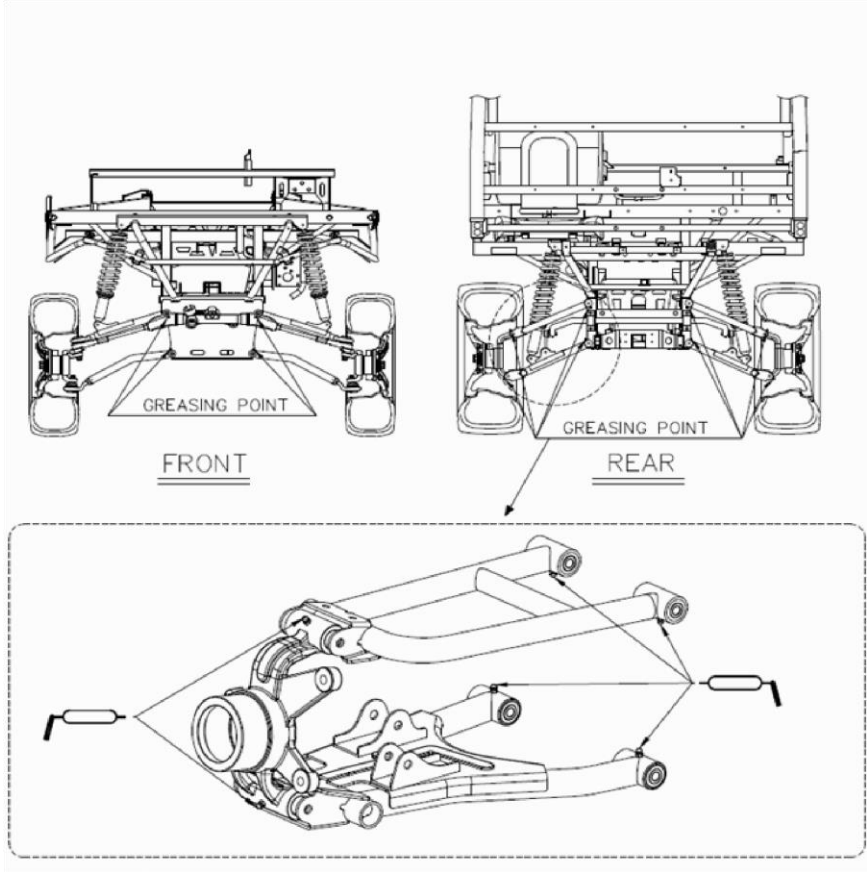
When raising your vehicle, ensure you observe the following to reduce the possibility of serious injury or death.

- Stop the vehicle on firm, level ground.
- Set the parking brake and shift the shift lever into the "P" position.
- Do not raise the vehicle with someone in the vehicle.
- Lift the vehicle using a suitable floor jack.
- When raising the vehicle, do not place any objects on top of or underneath the floor jack.
- Do not put any part of your body underneath the vehicle supported only by the floor jack.
- Always use a floor jack and jack stands on a solid, flat, level surface.
- Do not start the engine while the vehicle is supported by the floor jack.



GETTING TO KNOW YOUR UTV

Grease Points



SECTION 9. BEFORE YOU RIDE

Engine Break-In

There is never a more important period in the life of your UTV than the first 20 hours of operation. Always use a light throttle, keeping engine RPM well below the maximum. Varying the engine RPM during the break-in period allows the engine and transmission components to mate together so they will operate smoothly in the future. Applying some higher engine RPM and other loads during the break-in period is not detrimental when done in moderation. Do not pull a trailer or haul heavy cargo during the break-in period.

When the engine starts, allow it to warm up properly. Permit the engine to idle for several minutes until it has reached normal operating temperature. However, do not allow the engine to idle for excessively long periods of time, as this additional heat can affect future engine integrity.

After the completion of the break-in period, your UTVs engine oil and filter should be changed. Other maintenance after break-in should include checking all prescribed adjustments and tightening all fasteners. It is your responsibility as the owner and/ or rider of your vehicle to arrange for and pay for this initial service.

Because of the technical ability and resources available at an authorized TGB dealer, it is best to take your vehicle to the dealer for service rather than attempting to perform this initial service yourself.

Pre-Operation Checks

Inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in your Owner's Manual.



WARNING

Failure to inspect or maintain the vehicle properly increase the possibility of an accident or equipment damage. Do not operate the vehicle if you find any problem. If a problem cannot be corrected by the procedures provided in this manual, have the vehicle inspected by the dealer.

BEFORE YOU RIDE

Before operating this UTV, check the following points:

ITEM	ROUTINE
Fuel	• Check fuel level in fuel tank and add recommended fuel if necessary. • Check fuel line for leakage. Correct if necessary.
Engine Oil	• Check oil level in engine and add recommended oil to specified level if necessary. • Check UTV for oil leakage. Correct if necessary.
Differential Gear Oil	• Check UTV for oil leakage. Correct if necessary.
Brakes	• Lubricate cables if necessary. • Check operation, if soft or spongy, have the dealer bleed the hydraulic system. • Check brake pads for wear and replace if necessary. • Check brake fluid level in reservoir and add recommended brake fluid to specified level if necessary. • Check hydraulic system for leakage. Correct if necessary.
EFI System	• Ensure Check Engine lamp is not illuminated. Correct if necessary.
Coolant	• Check coolant level. Correct if necessary.
Wheels and Tires	• Check wheel condition and replace if damaged. • Check tire condition and tread depth. Replace if necessary. • Check air pressure. Correct if necessary.
Chassis Fasteners	• Ensure all nuts, bolts and screws are properly secured.
Instruments, Lights and Switches	• Check operation and correct if necessary.

Seat Belts

Inspect the seat belts for any frayed, torn or damaged edges. Ensure the belts extend and retract smoothly and complete without binding or catching. Ensure the latch plate locks securely in place in the buckle and releases when the button is depressed.

Wash off any dirt and make sure the retractors are free of debris.

NOTE: Do not grease or oil the retractors.

Side Restraints

Inspect the operator and passenger side restraints for any frayed, torn or damaged edges. Ensure the latch straps lock securely in place in the receiver buckle on the front ROPS tube and releases when the button is depressed. Wash off any dirt and make sure the latch straps are free of debris.

Rollover Protection Structure (ROPS)

Inspect the ROPS for any cracking, deformation, missing or damaged fasteners, loose fasteners, unauthorized repair or weldments or improper installation. If any of the above mentioned items are discovered, DO NOT OPERATE and immediately take the vehicle to an authorized TGB dealer for service.

BEFORE YOU RIDE

Hydraulic Brakes

1. Foot Brake Pedal

Make sure there is no brake fluid leakage.

Check operation of the pedal. It should move smoothly and there should be a firm feeling when the brake is applied. If not, have the UTV inspected by an authorized TGB dealer.

2. Brake operation

Test the brakes at slow speed after starting out to make sure they are working properly. If the brakes do not provide proper braking performance, inspect the brakes for wear.



WARNING

POTENTIAL HAZARD

Riding with improperly operating brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

Always check the brakes at the start of every ride. Do not ride the UTV if you find any problem with the brakes. If a problem cannot be corrected by the adjustment procedures provided in this manual, have the UTV inspected by an authorized BUSHRANGER dealer.

Fuel

Fill the fuel tank when necessary and make sure there is sufficient fuel in the tank.

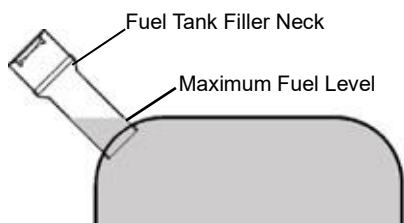
Check for leaks.

Fuel level should be below the filler neck.

Recommended Fuel

Unleaded **Capacity:**

11.1 gal (42 L)



Your TGB engine has been designed to use regular unleaded fuel with a pump octane number of 87 or higher. In many areas, oxygenates (ethanol) are added to the fuel. Oxygenated fuel containing up to 10% ethanol are acceptable fuel. If knocking or pinging occurs, use a different brand of fuel or premium unleaded fuel. Unleaded fuel will give you longer spark plug life and reduced maintenance cost. Use unleaded fuel only because it produces fewer engine and spark plug deposits and extends the life of the exhaust system. Never use stale or contaminated fuel or an oil/fuel mixture. Avoid getting dirt, dust or water in the fuel tank.

BEFORE YOU RIDE



WARNING

Always fill the fuel tank in a well-ventilated area. Never add fuel to the gas tank near an open flame or with the engine running or hot. **DO NOT** smoke while filling the fuel tank.

Do not overfill the fuel tank. A fire hazard is possible. Always allow the engine to properly cool before filling the fuel tank.



WARNING

POTENTIAL HAZARD

Improper care when refueling.

WHAT CAN HAPPEN

Fuel can spill, which can cause a fire and severe injury.

HOW TO AVOID THE HAZARD

Do not overfill the fuel tank. Be careful not to spill fuel, especially on the engine or exhaust pipe. Wipe up any spilled fuel immediately. Be sure the fuel tank cap is closed securely. Do not refuel immediately after the engine has been running and is still very hot.

Engine Coolant Reservoir

Coolant absorbs heat from the engine and transfers it to the air at the radiator. If the coolant level becomes low, the engine overheats and may suffer damage. Check the coolant level each day before operating the UTV, and replenish coolant if the level is low. Change the coolant in accordance with the Maintenance Schedule.



Coolant Level Inspection

1. Position the UTV on level ground.
2. Check the coolant level through the coolant level window on the reserve tank when the engine is cold as the coolant level will vary with the engine temperature. The coolant level should be between the "F" (Full) and "L" (low) marks.
3. If the coolant level is low, remove the cap from the reserve tank and add coolant or distilled water through the filler opening to the "F" (Full) mark. Install the cap.

NOTE: If water is added, have an authorized TGB dealer check the antifreeze content of the coolant as soon as possible. The radiator fan operation is completely automatic. It is switched on or off according to the coolant temperature in the radiator.



CAUTION

Hard water or salt water is harmful to the engine. You may use distilled water if soft water is not available.

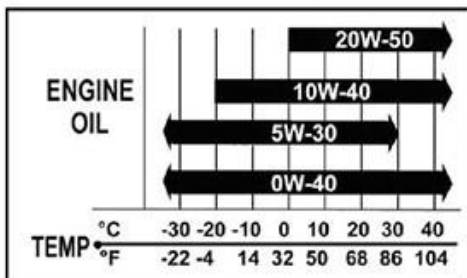
BEFORE YOU RIDE

Engine Oil

Make sure the engine oil is at the specified level. Add oil as necessary. Check for any leaks.

Recommended engine oil

classification: API Service SJ type or higher. The recommended oil viscosity is SAE 10W-40. Ambient temperature should determine the correct weight of oil. See the viscosity chart or consult an authorized TGB dealer for guidance.



CAUTION

Be sure to use motor oils that do not contain anti-friction modifiers. Passenger car motor oils (often labeled “Energy Conserving”) contain anti-friction additives which will cause starter clutch slipping, resulting in reduced component life and poor engine performance.

Oil Level Inspection

There is an oil level stick (dip stick) on the right side of the engine for checking the engine oil level. To check the oil level follow the below procedure.

NOTE: The UTV should be parked on level ground, with the engine key switch in the “OFF” position.

1. Lift the cargo box.
2. Unscrew the oil level stick, remove it and wipe it with a clean cloth.
3. Reinstall the oil level stick, thread it into the oil level stick tube.
4. Unscrew the oil level stick and visually note the oil level on the stick. The engine oil level should be above the “L” mark but not higher than the “F” mark. Add or remove oil as required.



CAUTION

Do not overfill the engine with oil. Overfilling the engine can cause oil leaks and/or oil contamination of the air filter element. Always make sure the oil level is above the “L” mark but not higher than the “F” mark.

BEFORE YOU RIDE

Front / Rear Differential

Recommended Lubricant: SAE 85W-90

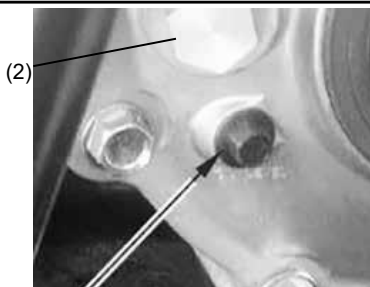


CAUTION

Any lubricant used in place of the recommended lubricant may cause serious damage.

NOTE: The UTV should be parked on level ground, with the engine key switch in the “OFF” position.

1. Remove the oil level check bolt (1).
2. Ensure oil level reaches the oil level check hole.
3. Inspect gasket for damage. Replace if necessary.
4. Install the oil level check bolt. Tighten to 5.8 ft lb (7.8 N-m).



(1)

1. Oil Level Check Bolt
2. Oil Fill Bolt



CAUTION

Ensure no foreign material enters the gear case.

To add front gear case oil:

1. Remove the oil fill bolt (2).
2. Remove the oil level check bolt (1).
3. Ensure oil level reaches the oil level check hole.
4. Add appropriate type and amount of oil.
5. Inspect gasket for damage. Replace if necessary.
6. Install the oil fill bolt and the oil level check bolt. Tighten oil fill bolt to 23.9 ft lb (32.4 N-m).
Tighten the oil level check bolt to 5.8 ft lb (7.8 N-m).

Transmission Oil

Make sure the transmission oil is at the specified level. Add oil as necessary. Check for any leaks.

Recommended transmission oil classification:

Transmission - SAE 75W-140

Oil Capacity Transmission Oil: Total Amount: 25.4 oz (0.75 L)

BEFORE YOU RIDE

Throttle Pedal

Check to see that the throttle pedal operates correctly. Throttle must open smoothly and spring back to the idle position when released. Adjust as necessary for proper operation.

Fittings and Fasteners

Always check chassis fittings and fasteners to ensure they are tight and secure. Take the vehicle to an authorized TGB dealer or refer to the Service Manual for correct torque specifications.

Lights

Check the headlight, taillight and brakelight to ensure they are in proper operating condition. Repair as necessary for proper operation.

Switches

Check the operation of the headlight switch, and any other switches. Repair as necessary for proper operation.

Tyres

1. The factory installed tyres are approved by TGB for these models. Other tyre combinations are not recommended.

How to Measure Tyre Pressure

Use the low-pressure tyre gauge found in the tool kit.

NOTE: The low-pressure tyre gauge is included as standard equipment. Make two measurements of the tyre pressure and use the second reading. Dust or dirt in the gauge could cause the first reading to be incorrect.



WARNING

POTENTIAL HAZARD

Operating this UTV with improper tyres, or with improper or uneven tyre pressure.

WHAT CAN HAPPEN

Use of improper tires on this UTV, or operation of this UTV with improper or uneven tyre pressure, may cause loss of control, increasing the risk of an accident.

HOW TO AVOID THE HAZARD

Follow the recommended tire pressures above.

Set tyre pressure to the following (tyres cold):

Recommended Tyre Pressure:

Front - 16.0 psi (110 kPa)

Rear - 18.0 psi (124 kPa)

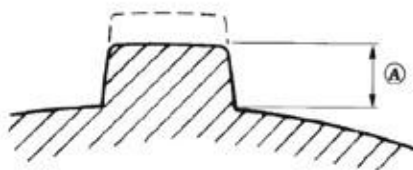


1. Low-pressure tyre gauge

BEFORE YOU RIDE

Tyre Wear Limit

When the tire groove decreases to 1/8 in (3 mm) due to wear, replace the tire.



WARNING

POTENTIAL HAZARD

Operating this UTV without being familiar with all controls and functions.

WHAT CAN HAPPEN

Loss of control, increasing the risk of an accident or injury.

HOW TO AVOID THE HAZARD

Read the Owner's Manual carefully. If there is a control or function you do not understand, contact an authorized BUSHRANGER dealer.

A. 1/8 in (3 mm)

SECTION 10. OPERATION

Always wear the following to reduce risk of injury in an accident:

- Approved motorcycle helmet that fits properly.
- Eye protection (goggles, helmet face shield or protective eyewear)
- Over the ankle boots, gloves, long sleeved shirt or jacket and long pants.

An approved helmet and other personal protective equipment can reduce the severity of injuries in an accident.



WARNING

Operating without an approved motorcycle helmet increases your chances of a severe head injury or death in the event of an accident.

Wear eye protection when operating your UTV to reduce the risk of a serious accident or injury. Eye protection such as a face shield or goggles may reduce the risk of foreign material getting in your eyes and help prevent loss of vision.



WARNING

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.

Seating

1. Position yourself into the vehicle and sit down.
2. Fasten seat belt (both operator and passenger(s)).
3. Ensure side restraints are secured in place.
4. Seat Belts
5. Secure the cab doors (if equipped).



WARNING

Ensure operator and passenger seat belts are properly fastened and secure before operating or riding in this vehicle. Falling from a moving vehicle could result in serious injury or death.

Starting the Engine

Always start the engine with the vehicle on a flat, level surface. Always start your vehicle outside as it produces carbon monoxide poisoning which will cause harm.

NOTE: This vehicle is equipped with a sensor for the driver's seat belt. If the driver's seat belt is not fastened, the vehicle speed is limited to 24 kph (24 km/h) and the seat belt indicator light will be illuminated. The seat belt indicator will remain illuminated until the driver's seat belt is fastened. Follow these steps to start your vehicle:

1. Place the gear selector in the "P" park position.
2. Depress the brake pedal.
3. Rotate the ignition switch key to the "START" position. When the engine starts, release the key to the "RUN" position. Do not increase engine RPM above idle.

NOTE: The engine can be started in any gear if the brake pedal is applied. However, it is recommended to shift into "N" (Neutral) or "P" (Park) before starting the engine. If either indicator light fails to illuminate when the gear

OPERATION

select lever is in the neutral or park position, have an TGB dealer inspect the electrical circuit.



CAUTION

Do not run the starter motor for more than 5 (five) seconds per starting attempt as the starter motor may overheat causing severe damage. Allow 10 (ten) seconds between starting attempts to allow the starter motor to cool. Pay attention not to discharge the battery.

NOTE: If the battery voltage is low, engine cannot be started. Properly charge the battery.

4. Do not depress the throttle pedal until the engine has reached operating temperature.
5. Allow the engine to properly warm up. If the engine has not reached proper operating temperature, the spark plug may not have reached a high enough temperature to burn off the excess fuel in the combustion chamber.

Warming Up Engine

To get maximum engine life, always warm up the engine. Never accelerate hard with a cold engine!



CAUTION

- Do not leave the vehicle unattended while the engine is warming up.

Gear Selector

To change gears, stop the vehicle and allow the engine to return to idle speed, then move the shift lever into the desired gear.

Do not attempt to shift gears with the engine speed above idle or while the vehicle is in motion.

Always place the transmission in park when the vehicle is left unattended.

Maintaining shift linkage adjustment is important to ensure proper transmission function. See your dealer if you experience any shifting issues. “L” - Low range

“H” - High range

“N” - Neutral

“R” - Reverse

“P” - Park



NOTE: The HIGH range is for normal riding conditions with light loads. The LOW range is for carrying heavy loads, slow speeds or trailer towing. LOW range position provides slower speed and greater torque to the wheels.

OPERATION

Shift Lever Instructions:

NOTE: The engine can be started in any gear if the brake pedal is applied. However, it is recommended to shift into “N” (Neutral) or “P” (Park) before starting the engine. If either indicator light fails to illuminate when the gear select lever is in the neutral or park position, have an TGB dealer inspect the electrical circuit.

1. Depress the brake pedal and move the shift lever to desired gear position.



CAUTION

Always shift the transmission into LOW range when operating on wet or uneven terrain, when towing or pushing heavy loads, or when using a plow. Failure to follow this caution may result in premature V-belt failure or other damage to the drive system.



CAUTION

Never shift the transmission while your UTV is in motion. Should your vehicle be on a surface that is not level, depress the foot brake pedal before shifting into another gear or into reverse.

Braking / Stopping

Always allow plenty of room and time to stop your UTV safely. Be alert and prepared, as sometimes quick stops are inevitable. Whether you are stopping slowly or stopping quickly, follow these braking guidelines:

1. Release the throttle pedal; then apply pressure on the foot brake pedal.
2. If your wheels lock, release the brake, then apply the brakes again.
3. Avoid prolonged application of the brakes. Even maintaining minimal pressure on the brake pedal will cause the brake pads to drag on the brake rotor and may cause overheating of the brake fluid.

Parking

Parking requires following the previous rules of braking; then:

1. When the vehicle comes to a complete stop, shift into the park “P” position.
2. Turn the ignition switch to the “OFF” position.
3. Always try to park your vehicle on level ground. If you have to park on a hill, block the wheels on the downhill side.

OPERATION

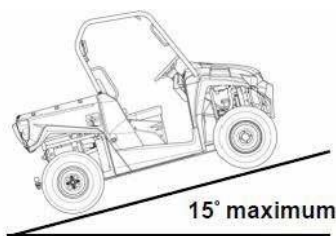
Driving Downhill

1. Keep both hands on the steering wheel.
2. Avoid steep hills.
3. Before driving down the hill, shift into low gear and release the accelerator to allow for maximum engine braking. Do not use 4-wheel drive when driving down a hill. Engine braking can cause the front wheels to slide reducing steering control.

Driving Uphill

Whenever driving uphill, follow these precautions:

1. Avoid steep hills (15° maximum).
2. Always travel straight uphill.
3. Keep both hands on the steering wheel and both feet on the floor.
4. Proceed at a steady rate of speed and throttle opening.



NEVER OPERATE UP OR DOWN HILLS GREATER THAN 15°.

Basic Turns

Steering effort is at its lowest when the vehicle is in two wheel drive (2WD). Greater effort is required when the vehicle is in four wheel drive (4WD). The greatest effort is required if the vehicle is in 4WD and the differential (if equipped) is locked.

Slow down before approaching a turn. The basic turn maneuver is to drive at a low speed and gradually adjust the steering needed to suit the driving surface. Do not make sudden, sharp turns on any surface.

If the vehicle begins to skid sideways during a turn, steer in the direction of the skid. Also, avoid hard braking or acceleration until you have regained control.



WARNING

Use extreme care while turning - turning the steering wheel too far or too fast can result in loss of control or a rollover. Excessive speed, driving aggressively, or making quick turns can cause loss of control, tipping, or rollover even on flat surfaces. Uneven terrain, rough terrain, soft or slippery surfaces, and paved surfaces can also cause a loss of control in a turn. On loose or soft surfaces, allow more time and distance to turn and slow down.

OPERATION

Crossing Obstacles

Crossing obstacles can be hazardous. There is always potential of the vehicle tipping or rolling over. If you cannot go around an obstacle, follow these procedures:

1. Stop the vehicle and place the transmission in park "P". Get out of the vehicle and inspect the obstacle from both sides. If you are confident you can cross the obstacle safely, select four wheel drive (4WD) and proceed with caution.
2. Approach the obstacle as close as possible to 90° to minimize tipping.
3. Keep vehicle speed slow enough to maintain control but fast enough to maintain forward momentum.
4. Use only enough power and speed to cross the obstacle safely while allowing time to react to any possible changes or conditions.

Crossing Water

This vehicle can operate in water up to the floorboard. Stay away from fast flowing rivers. In deep water, the vehicle's tires can be buoyant and may lose traction due to floating.

1. Before entering any water, physically check the depth and current of the water, especially if you can not see the bottom. Also check for any potential hidden obstacles.
2. Keep a slow and steady speed while maintaining momentum.
3. Ensure you have a way out on the other side of the water.
4. Once you have driven in any water, briefly apply the brakes to dry the pads.



WARNING

Do not operate this vehicle on frozen bodies of water unless you have first verified the ice thickness will sufficiently support the vehicle, cargo, and passenger(s). The vehicle could break through the ice causing serious injury or death.

Crossing Roads

It may become necessary to cross a road or highway. If so, follow these guidelines:

1. Come to a complete stop on the shoulder of the road.
2. Check both directions for oncoming traffic.
3. Crossing near a blind corner or intersection is very dangerous; avoid crossing near a blind corner.
4. When clear, proceed straight across to the opposite shoulder.
5. Allow extra time to cross the roadway.
6. It is illegal to cross public roads in some places. Know your state and local laws.

Driving in Reverse

While operating in reverse, follow these guidelines:

1. Back slowly.
2. Apply the brakes lightly to stop.
3. Avoid turning at sharp angles.
4. Always avoid backing down a hill.
5. Never accelerate quickly while backing up.
6. Always inspect left and right sides before backing up.

SECTION 11. GENERAL MAINTENANCE

NOTE: Proper maintenance of the UTV is extremely important for the safe operation and optimum performance. Follow the Maintenance Schedule and all ensuing maintenance instructions/information.

Inspection, adjustment and lubrication will keep your vehicle in the safest and most efficient condition possible.

Safety is an obligation of the vehicle owner/operator.



WARNING

Failure to properly maintain the vehicle may increase your risk of injury or death during service or while using the vehicle. If you are not familiar with vehicle service, have a dealer perform the service.



WARNING

Turn off the engine when performing maintenance unless otherwise specified.

- A running engine has moving parts that can catch on body parts or clothing and electrical parts that can cause shocks or fires.
- Running the engine while servicing can lead to eye injury, burns, fire or carbon monoxide poisoning or death.



WARNING

Brake discs, calipers, drums and linings can become very hot during use. To avoid possible burns, let brake components cool before touching them.

The intervals given in the scheduled maintenance charts should apply to normal riding conditions. However, **depending on the weather, terrain, geographical location and individual use, the maintenance intervals may need to be shortened.**

You may choose any qualified repair shop or person to maintain, replace, or repair emission control devices and systems with original or equivalent replacement parts. However, warranty, recall and all other services paid for by TGB must be performed at an authorized TGB service center which will complete repairs in a reasonable amount of time. TGB service centers can provide all manners of service.

Ensure the service book is stamped and signed. Failure to do so could invalidate your warranty.

The maintenance schedule is based on months of use or kilometers/miles traveled, whichever comes first.

GENERAL MAINTENANCE

NO.	ITEM	Check or maintenance job	Whichever comes first	INITIAL		EVERY			
				MONT H	1	3	6	12	
				Km	200	1000	2000	4000	
				Mi	120	600	1200	2400	
1	Exhaust system	♦ Check for leakage and replace gasket if necessary			T	T	T	T	
		♦ Check for looseness and tighten all screw clamps and joints if necessary							
2	Valves	♦ Check valve clearance and adjust if necessary			I		I	I	
3	Air filter element	♦ Clean and replace if necessary				I	I	I	
4	Vent Tube	♦ Clean				I	I	I	
5	Spark plug	♦ Check condition and clean, re-gap or replace if necessary					I	I	
6	Engine oil	♦ Change ♦ Check UTV for oil leakage and correct if necessary			R	I	R	R	
7	Engine oil filter	♦ Replace			R		R	R	
8	Engine oil strainer	♦ Clean			I		I	I	
9	Gear Box Oil	♦ Replace			R		R	R	
10	Front Differential gear oil	♦ Change ♦ Check UTV for oil leakage and correct if necessary			R		R	R	
					Replace every 4 years				
11	Rear Differential gear oil	♦ Change			R		R	R	
		♦ Check UTV for oil leakage and correct if necessary			Replace every 4 years				
12	Fuel line	♦ Check fuel hoses for cracks or other damage and replace if necessary					I	I	
13	Fuel filter	♦ Replace			Every 2 years				

GENERAL MAINTENANCE

14	Front brake	• Check operation and correct if necessary • Check fluid level and UTV for fluid leakage and correct if necessary	I	I	I	I
		• Replace brake pads	Whenever worn to the limit			
15	Rear brake	• Check operation and correct if necessary • Check the brake lever and pedal free play and adjust if necessary	I	I	I	I
		• Check brake friction plate wear and replace if necessary	I	I	I	I
16	Brake hoses	• Check for cracks or other damage and replace if necessary		I	I	I
		• Replace	Every 4 years			
17	Wheels	• Check run out and for damage and replace if necessary	I		I	I
18	Tires	• Check tread depth and for damage and replace if necessary • Check air pressure and balance and correct it if necessary		I	I	I
19	Wheel hub bearings	• Check for looseness or damage and replace if necessary	I		I	I
20	V-belt	• Check for wear, cracks or other damage and replace it every 3000Km		I	I	I
21	Drive shaft universal joint	• Lubricate with grease			L	L
22	Chassis fasteners	• Make sure that all nuts, bolts and screw are properly tightened	T	T	T	T
23	Shock absorber assemblies	• Check operation and correct if necessary • Check for oil leakage and replace if necessary			I	I
24	Grease Nipple	• Lubricate with grease			L	L
25	Steering shaft	• Lubricate with grease			L	L
26	Steering system	• Check operation and repair or replace if damaged • Check toe-in and adjust if necessary	I	I	I	I

GENERAL MAINTENANCE

27	Engine mount	♦ Check for the cracks or other damage and replace if necessary			I	I
28	Transmission boots	♦ Check for the cracks or other damage and replace if necessary	I	I	I	I
29	Spark Arrester (if equipped)	♦ Clean	C	Every 1000km/600 miles		
30	Vehicle Speed Sensor	♦ Clean and remove all metal particles from the VSS magnet. A dirty VSS will cause erratic speedometer readings.	C	Every 4000km/2500 miles		
31	Door latches and check arms (if equipped)	♦ Clean and lubricate if necessary	I	I	I	I
32	Cockpit Air filters (if equipped)	♦ Clean and replace if necessary		I	I	I

L: Lubricate C: Clean R: Replace T: Tighten I: Inspect, correct If necessary

*** For UTVs subjected to sever riding conditions, shorten the period of inspecting oil level, CVT and drive belt condition to at least once every 1000km.**

- Have the UTV serviced and checked by an authorized TGB dealer, make sure the service book is stamped and signed. Failure to do so could invalidate your warranty.

- The maintenance schedule is established by taking month and kilometer as a reference, whichever comes first.

- Proper periodic inspection and maintenance can keep your vehicle in a safe and efficient condition. Safety is an obligation of the vehicle owner/operator.

- Fail to properly performing the maintenance may leads to injury or death during service, and increase risk of using the vehicle.

GENERAL MAINTENANCE

The radiator area requires to be checked periodically for debris. Inspect the radiator fins, they must be clean, free of mud, dirt, leaves and any other debris that would prevent the radiator to cool properly. Remove as much of the debris as possible with your hands. If water is available, use a low pressure to rinse the radiating fins. Do not use high pressure as it will damage the radiator.



CAUTION

Never clean radiator with your hands when engine is hot. Let the radiator cool down before cleaning.

Do not use high pressure water to clean radiator, damage may occur.



CAUTION

Continued operation of the vehicle with high engine temperature may result in premature engine damage.

Cooling System Inspection

1. Remove the hood.
2. Check the coolant level in the coolant reservoir when the engine is cold as the coolant level will vary with engine temperature. The coolant level should be between the "FULL" and "LOW" marks on the reservoir.
3. If the coolant level is low, remove the coolant reservoir cap and add coolant or distilled water to raise it to the specified level.



Recommended Coolant Solution: Water: 50% - Antifreeze: 50% (1:1)

NOTE: A permanent type of antifreeze is installed in the cooling system when shipped. It is green colored and contains ethylene glycol. It is mixed at 50% with water and has a freezing point of -31° F (-35° C).



CAUTION

Hard water or salt water is harmful to the engine. You may use distilled water if soft water is not available.

Coolant Change



WARNING

Ensure the engine and radiator are properly cooled before removing the radiator cap to prevent possible injury caused by hot liquids or steam while under pressure. Always place a thick rag or glove over the cap when opening. Allow any remaining pressure to escape before completely removing the cap.

GENERAL MAINTENANCE

1. Park the vehicle on a flat, level surface.
2. Remove the hood.
3. Place a suitable container under the engine and remove the coolant drain bolt and gasket.
4. Remove the radiator cap.
5. Remove the reservoir cap.
6. After draining the coolant, thoroughly flush the cooling system with clean tap water.
7. Install the coolant drain bolt and a new gasket. Tighten securely.
8. Add the recommended coolant into the radiator until it is full.



Recommended Coolant Solution: Water: 50% - Antifreeze: 50% (1:1)
High quality ethylene glycol antifreeze containing corrosion inhibitors for aluminum engines.

9. Add the recommended coolant into the reservoir to reach the MAXIMUM level mark and install the reservoir cap.



CAUTION

Mix antifreeze with distilled water only. However, if distilled water is not available, soft water may be used for refilling. Do not use hard water or salt water as it is harmful to the engine.

10. Install the radiator cap, start the engine and let it idle for several minutes and then turn it "OFF".
11. Check the coolant level in the reservoir. If low, add sufficient coolant until it reaches the top of the full level. Install the reservoir cap.
12. Start the engine and then check for coolant leaks.
13. Install the hood.

Shock Absorbers

Each shock absorber on your vehicle should be visibly inspected weekly for excessive fluid leakage (some seal leakage is normal), cracks or breaks in the shock body, or a bent shock rod. If any of these conditions are present, replacement is necessary.

NOTE: If you ride your vehicle in extremely cold weather (-10° F/-23° C or colder), a small amount of fluid leakage may occur on the shock rod. Unless the leakage is excessive, replacement of the shock absorbers is not necessary.

GENERAL MAINTENANCE

The shock absorbers have spring force adjustment sleeves to allow the spring rate to be adjusted for different riding conditions. If the spring rate is too soft or too stiff, adjust the sleeve by tightening or loosening the spring adjustment nut on the shock. Tightening the nut will provide a heavier spring load. Loosening the nut will provide a softer spring load.

NOTE: Properly lift the vehicle off the ground to remove load on suspension before adjusting shock springs. Use an appropriate adjustment tool to adjust the spring force adjustment sleeve to the desired position.

General Lubrication Cables

Under normal use, the cables do not require lubrication. However, it is advisable to lubricate the ends of the cables periodically with a quality cable lubricant.

Engine Oil and Filter

The engine oil level should be checked before each ride. In addition, the oil must be changed and the oil filter replaced at the intervals specified in the periodic maintenance and lubrication chart.

To check the engine oil level:

1. Lift the cargo box.
2. Unscrew the oil level stick, remove it and wipe it with a clean cloth.

NOTE: If the engine was started before checking the oil level, be sure to warm up the engine sufficiently and then wait at least ten minutes until the oil settles for an accurate reading.

3. Reinstall the oil level stick, thread it into the oil level stick tube.
4. Unscrew the oil level stick and visually note the oil level on the stick. The engine oil level should be above the "L" mark but not higher than the "F" mark. Add or remove oil as required.



CAUTION

Do not overfill the engine with oil. Overfilling the engine can cause oil leaks and/or oil contamination of the air filter element. Always make sure the oil level is above the "L" mark but not higher than the "F" mark.

GENERAL MAINTENANCE

To change the engine oil (with or without oil filter replacement):

1. Place the vehicle on a level surface.
2. Start the engine and let warm up for several minutes and then turn off .
3. Lift vehicle using an appropriate jack.
4. Place an oil pan under the engine to collect the used oil.
5. Remove the engine oil drain bolt and its washer to drain the oil from the crankcase.

NOTE: Dispose of lubricant in accordance with local regulations.

NOTE: Skip the steps 6-8, if the oil filter is not being replaced.



6. Raise the cargo box.
7. Remove the oil filter using an appropriate oil filter wrench.
8. Apply a thin coat of engine oil to the O-ring of new oil filter.
9. Install the new oil filter and tighten securely.
10. Install the engine oil drain bolt and new washer. Tighten the bolt to 16.6 ft. lb (22.55 Nm).
11. Refill with the specified amount of the recommended engine oil (10W40). Install and tighten the engine oil filler cap.

With oil filter replacement: 2.1 qt (2.0 L)

Without oil filter replacement: 1.9 qt (1.8 L) New engine: 2.6 qt (2.5 L)



NOTE: Be sure to wipe up any spilled oil on any parts after the engine and exhaust system have cooled down.



CAUTION

**Ensure no foreign material enters the crankcase.
In order to prevent clutch slippage (since the engine oil also lubricates the clutch),
do not mix any chemical additives.**

12. Start the engine and then let it idle for several minutes while checking it for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause.
13. Turn the engine off, wait at least ten minutes and then check the oil level and correct it if necessary.

GENERAL MAINTENANCE

Transmission Gear Oil

To check the transmission gear oil level:

1. Place the vehicle on a level surface.
2. Remove the cover and check bolt then check the oil level in the transmission case. The oil level should be at the brim of the check hole.
3. If the oil is below the brim of the checkhole, add sufficient oil (75W-140) to raise it to the correct level.
4. Install the check bolt and tighten to 5.75 ft lb (7.8 Nm).



To change the transmission gear oil:

1. Place the vehicle on a level surface.
2. Lift vehicle using an appropriate jack.
3. Place an oil pan under the engine to collect the used oil.
4. Remove the transmission gear oil drain bolt and its washer to drain the oil from the transmission case.



NOTE: Dispose of lubricant in accordance with local regulations.

5. Install the drain bolt and washer. Tighten to 24 ft lb (32.36 Nm).
6. Loosen the clamp and remove the breather hose then refill with 25.6 oz (.75 L) of 75W-140 transmission oil.
7. Install the breather hose and tighten the clamp.
8. Check the transmission case for oil leakage. If oil is leaking, check for the cause.



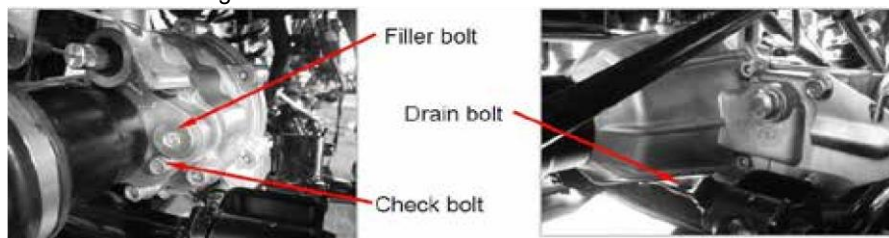
GENERAL MAINTENANCE

Front Differential Gear Oil

The differential gear case level should be checked for oil leakage before each ride. If any leakage is present, take the vehicle to an authorized TGB dealer for service. In addition, the differential gear oil level must be checked and the oil changed following the interval schedule in the periodic maintenance and lubrication chart.

To check the differential gear oil level:

1. Place the vehicle on a level surface.
2. Remove the differential gear oil filler bolt and its gasket. Check the oil level in the differential gear case. The oil level should be at the brim of the filler hole.



3. If the oil is below the brim of the filler hole, add sufficient oil (85W-90) to raise it to the correct level.
4. Check the gasket for damage and replace it if necessary.
5. Install the oil filler bolt and its gasket and then tighten the bolt to:
Differential gear oil filler bolt - 24 ft lb (32.36 Nm)
Differential gear oil check bolt - 5.75 ft lb (7.8 Nm)

To change the differential gear oil:

1. Place the vehicle on a level surface.
2. Lift vehicle using an appropriate jack.
3. Place an oil pan under the differential gear case to collect the used oil.
4. Remove the differential gear case oil filler bolt, the differential gear oil drain bolt and its gasket to drain the oil from the differential gear case.



NOTE: Dispose of lubricant in accordance with local regulations.

5. Install the drain bolt and its new gasket and then tighten the bolt to 24 ft lb (32.36 Nm).
6. Refill with 23.7 oz (0.7 L) of 85W-90 differential gear oil.
7. Check the oil filler bolt gasket for damage and replace it if necessary.
8. Install the oil filler bolt and gasket and then tighten the bolt to 24 ft lb (32.36 Nm).
9. Check the differential gear case for oil leakage. If oil is leaking, check for the cause

GENERAL MAINTENANCE

Rear

Differential Gear Oil

The final gear case level should be checked for oil leakage before each ride. If any leakage is present, take the vehicle to an authorized TGB dealer for service. In addition, the final gear oil level must be checked and the oil changed following the interval schedule in the periodic maintenance and lubrication chart.

To check the differential gear oil level:

1. Place the vehicle on a level surface.
2. Remove the differential gear oil filler bolt and its gasket. Check the oil level in the differential gear case. The oil level should be at the brim of the filler hole.



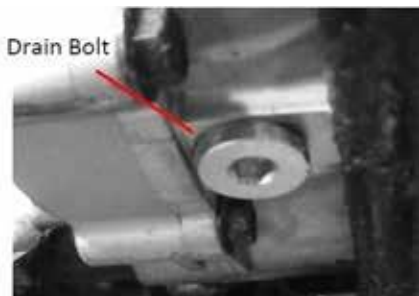
3. If the oil is below the brim of the filler hole, add sufficient oil (85W-90) to raise it to the correct level.
4. Check the gasket for damage and replace it if necessary.
5. Install the oil filler bolt and its gasket and then tighten the bolt to:
Final gear oil filler bolt - 24 ft lb (32.36 Nm)
Final gear oil check bolt - 5.75 ft lb (7.8 Nm)

To change the differential gear oil:

1. Place the vehicle on a level surface.
2. Lift vehicle using an appropriate jack.
3. Place an oil pan under the final gear case to collect the used oil.
4. Remove the final gear case oil filler bolt, the final gear oil drain bolt and its gasket to drain the oil from the final gear case.

NOTE: Dispose of lubricant in accordance with local regulations.

5. Install the drain bolt and its new gasket and then tighten the bolt to 24 ft lb (32.36 Nm).
6. Refill with 20.3 oz (0.6 L) of 85W-90 final gear oil to the brim of the filler hole.
7. Check the oil filler bolt gasket for damage and replace it if necessary.
8. Install the oil filler bolt and gasket and then tighten the bolt to 24 ft lb (32.36 Nm).
9. Check the final gear case for oil leakage. If oil is leaking, check for the cause.



GENERAL MAINTENANCE

Brake Hoses

Carefully inspect the hydraulic hoses for cracks or other visible damage. If damage is found, take the vehicle to an authorized TGB dealer for service.

Hydraulic Brakes



WARNING

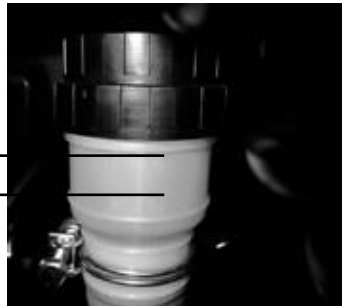
Be sure to inspect the hydraulic brake system before every use. Always maintain the brakes and the brake fluid level according to the Maintenance Schedule.

1. Check the brake fluid level in the master cylinder located next to the LH front wheel well cover. Ensure the fluid level is between the upper and lower marks.

Recommended Brake Fluid: DOT 4

Upper level mark MAX

Lower level mark MIN



CAUTION

Be careful not to spill any brake fluid when filling the brake fluid reservoir. Brake fluid can damage the finish of plastic components. Wipe up any spilled brake fluid immediately.

Brake Pads

The clearance between the brake pads and brake discs is adjusted automatically as the brake pads wear. The only required maintenance is to replace brake pads when they become worn. To check the thickness of the brake pads, use the following procedure:

1. Park the vehicle on level ground and shift into "P" park..
2. Loosen the wheel nuts on the wheel to be removed. Do not remove the wheel nuts from the wheel studs.
3. Using a suitable jack, elevate the UTV. Support the vehicle on a support stand.



WARNING

Ensure the vehicle is safely supported on the stand to avoid injury.

4. Remove the wheel nuts.
5. Remove the wheel.

GENERAL MAINTENANCE

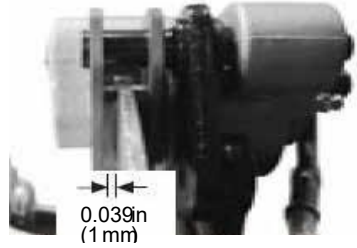
6. Measure the thickness of each brake pad. If the thickness of the pads are less than 0.039 in (1 mm), take your vehicle to an authorized TGB dealer to have the brake pads replaced.

7. Install the wheel and install wheel nuts.

NOTE: Ensure the tapered side of the wheel nuts face the wheel rim.

8. Tighten in a crisscross pattern in 20 ft lb (27 N-m) increments to a final torque specification of 60 ft lb (81 N-m).

9. Remove the support stand and jack.



Protective Rubber Boots

The protective rubber boots over the drive shafts should be inspected periodically per the Maintenance Schedule.

Ball Joint Boots (Upper/Lower and Left/Right)

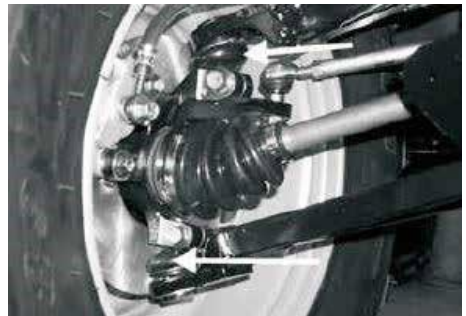
1. Park the vehicle on level ground and shift into "P" park.
2. Loosen the wheel nuts on the front wheels. Do not remove the wheel nuts from the wheel studs.
3. Using a suitable jack, elevate the vehicle. Support the vehicle on a support stand.



WARNING

Ensure the UTV is safely supported on the stand to avoid injury.

4. Remove the wheel nuts.
5. Remove the wheel.
6. Inspect the four ball joint boots for cracks, tears, perforations, or any other visible damage.
7. Check the ball joint for free-play by grasping the steering knuckle and turning it from side to side, and up and down.
8. If boot damage is noted or ball joint free-play seems excessive, contact an authorized TGB dealer for service.



9. Install the wheel and reinstall the wheel nuts.

NOTE: Ensure the tapered side of the wheel nuts face the wheel rim.

10. Tighten in a crisscross pattern in 20 ft lb (27 N-m) increments to a final torque specification of 60 ft lb (81 N-m).

11. Remove the support stand and jack.

GENERAL MAINTENANCE

Tie Rod Boots (Inner/Outer and Left/Right)

1. Park the vehicle on level ground and shift into "P" park.
2. Loosen the wheel nuts on the front wheels. Do not remove the wheel nuts from the wheel studs.
3. Using a suitable jack, elevate the vehicle. Support the vehicle on a support stand.



WARNING

Ensure the UTV is safely supported on the stand to avoid injury.

4. Remove the wheel nuts.
5. Remove the wheel.
6. Inspect the four tie rod boots for cracks, tears, perforations, or any other visible damage.
7. Check the tie rod end for free-play by grasping the tie rod near the end and attempting to move it up and down.
8. If boot damage is noted or tie rod end free-play seems excessive, contact an authorized TGB dealer for service.
9. Install the wheel and reinstall the wheel nuts.



NOTE: Ensure the tapered side of the wheel nuts face the wheel rim.

10. Tighten in a crisscross pattern in 20 ft lb (27 N-m) increments to a final torque specification of 60 ft lb (81 N-m).
11. Remove the support stand and jack.

Drive Axle Boots

1. Inspect all drive axle boots for cracks, tears, perforations, or any other visible damage.
2. If boot damage is noted, contact an authorized TGB dealer for service.



GENERAL MAINTENANCE

Wheel Removal

1. Park the vehicle on level ground and ensure the shift lever is in the "P" (Park) position.
2. Loosen the wheel nuts on the wheel to be removed. Do not remove the wheel nuts from the wheel studs.
3. Using a suitable jack, elevate the vehicle. Support the vehicle on a support stand.



WARNING

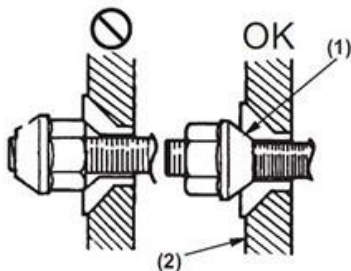
Ensure the UTV is safely supported on the stand to avoid injury.

4. Remove the wheel nuts.
5. Remove the wheel.

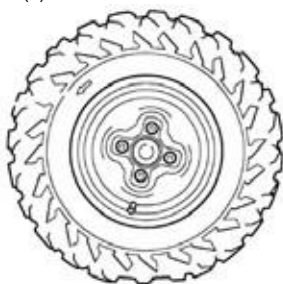
Wheel Installation

NOTE: When reinstalling a wheel, tighten the wheel nuts in a criss-cross pattern. Be sure the tapered side of the wheel nuts face the wheel rim.

1. Install the wheel and reinstall the wheel nuts.
2. Tighten in a crisscross pattern in 20 ft lb (27 N-m) increments to a final torque specification of 60 ft lb (81 N-m).
3. Remove the support stand and jack.



- (1) Wheel Nut
(2) Wheel Rim



GENERAL MAINTENANCE



CAUTION

When removing the battery, the main switch must be off and the negative lead must be disconnected before the positive lead.

To charge the battery

Locate the battery which is under the central passenger seat. Verify your charger is unplugged and off. Attach the charger leads to the battery, plug it in and turn it on and set the Charger to the correct setting. Or Charge the battery with the trickle charging outlet.



CAUTION

To charge free maintenance battery, a special (constant voltage) battery charger is required. Using a conventional battery charger will damage the battery.

1. If the UTV will not be used for more than one month, remove the battery, fully place it in and then place it in a cool dry place.
2. If the battery will be stored for more than two months, check it at least once a month and fully charge if necessary.



CAUTION

Always keep the battery charged. Storing a discharged battery can cause permanent battery damage.

To install the battery

1. Place the battery in its compartment.
2. Connect the positive battery lead first then connect the negative battery lead by installing their bolt



CAUTION

When installing the battery, the main switch must be off and the positive lead must be connected before the negative lead.

3. Install the battery holding plate by installing the bolts.
4. Install the seat.

Fuses

There are two fuse box, one is main fuse box and other is EPS fuse box. For **EPS** model, the MAXI fuse is located in the EPS fuse box which is on the right side under the hood.



GENERAL MAINTENANCE

Jump-Starting

NOTE: TGB does not recommend jump-starting a vehicle with a dead battery but rather to remove the battery, service it, and correctly charge it.



WARNING

Improper handling or connecting of a battery may result in severe injury including acid burns, electrical burns, or blindness as a result of an explosion. Always remove rings and watches.



WARNING

Any time service is performed on a battery, the following must be observed: keep sparks, open flame, cigarettes, or any other flame away. Always wear safety glasses. Protect skin and clothing when handling a battery. When servicing battery in enclosed space, keep the area well-ventilated. Make sure battery venting is not obstructed.

GENERAL MAINTENANCE

Spark Plug

Your vehicle is equipped with a specific spark plug (see “Specifications” for the correct spark plug). The appearance of the insulator on a used spark plug will help determine if it is the proper one for your vehicle.

A light brown insulator indicates that the spark plug is correct. A white or dark insulator indicates that the engine may need to be serviced or adjustments made. Consult an authorized TGB dealer if the plug insulator is not a light brown color.

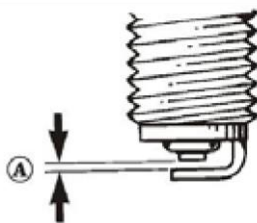
To help prevent cold weather fouling (a buildup of carbon and unburned fuel on the spark plug) make sure you thoroughly warm up your vehicles engine before riding.

Before inspecting a spark plug, clean the area around the spark plug to prevent any dirt from entering the engine when remove or installing the spark plug.

Adjust the spark plug's ground electrode gap to 0.028 - 0.032 in. (0.7 - 0.8 mm). Use a wire-type feeler gauge to check the gap.

When installing a spark plug, be sure to tighten it securely. A new spark plug should be tightened 1/2 turn once the washer makes contact with the cylinder head. A used spark plug should be tightened 1/8 - 1/4 turn once the

A. Spark plug gap washer makes contact with the cylinder head.



Air Filter

The air filter inside the air filter housing must be kept clean to provide good engine power, gas economy and to prevent premature engine wear. If you use your vehicle under normal conditions, service the filter at the intervals specified. For vehicles subjected to severe riding conditions, the maintenance period of the filter requires service more frequently. Use the following procedure to remove the filter and then inspect and clean it.

1. Lift the cargo box.
2. Remove the clips securing the cover of the air box.
3. Remove the cover.
4. Remove the air filter.
5. Clean any debris from inside the air cleaner.
6. Reverse steps 1-4 for installation.

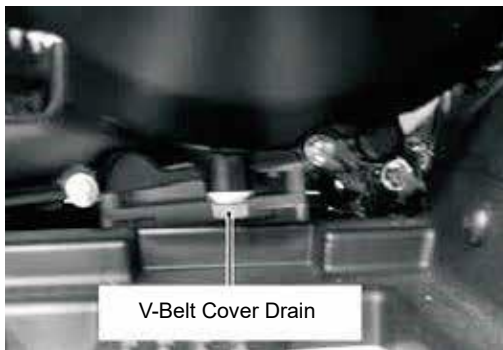


GENERAL MAINTENANCE

Draining the V-Belt Cover

NOTE: If the vehicle has been driven through water, the V-Belt cover must be drained of any liquid.

1. Place the vehicle on a flat, level surface.
2. Remove the drain bolt from the cover to allow liquid to drain out.
3. Position the shift lever to the neutral "N" position; depress the brake pedal, then start the engine.
4. With the brake pedal depressed, increase and decrease the engine RPM several times to force out any additional liquid; then stop the engine.
5. Reinstall the drain bolt and tighten securely.



NOTE: The V-belt and pulleys should be inspected every 600 miles and the belt replaced when necessary.

Tyres



WARNING

Always use the size and type of tires specified for your BUSHRANGER UTV. Refer to the specifications chart in this manual for tire-related information and always maintain proper tire inflation pressure.

Tyre Replacement

This vehicle has low-pressure tubeless tires. Air is sealed by the contact surfaces of the inner rim and the tire bead. If either the inner rim or tire bead are damaged, air may leak. Be extremely careful not to damage these areas when replacing tires. It is very important to use the proper tools when repairing or replacing tires to prevent damage to the tire, the tire bead or the rims. If you do not have access to the proper tools or lack the technical ability, have your tires serviced by an authorized TGB dealer.



WARNING

The use of worn-out tires on your vehicle can be dangerous and can increase the risk of an accident.



CAUTION

When breaking the tire bead loose from the wheel, be extremely careful not to damage the inner wheel surface or the tire bead.



WARNING

Use only BUSHRANGER approved tires on your vehicle when replacing tires. Failure to do so could result in unstable operation.

GENERAL MAINTENANCE

Muffler / Spark Arrester

The muffler on this UTV is equipped with a spark arrester which must be periodically cleaned. Refer to the intervals listed in the Maintenance Schedule and clean the spark arrester using the procedure listed below.



WARNING

Before service, wait for the muffler to properly cool to avoid possible burns.

1. Remove the three cap screws securing the spark arrester assembly to the muffler and then remove the spark arrester.
2. Using a suitable brush, clean the carbon deposits from the screen, taking care to not damage the screen.

NOTE: If the spark arrester screen or gasket is damaged in any way, they must be replaced.

3. Install the spark arrester assembly and secure with the cap screws.
Tighten securely.



WARNING

POTENTIAL HAZARD

Improper cleaning of the spark arrester.

WHAT CAN HAPPEN

Could injure the eyes.

Could cause burns.

Could cause carbon monoxide poisoning, possible leading to death.

Could start a fire.

HOW TO AVOID THE HAZARD

When cleaning the spark arrester:

Always let the exhaust system cool prior to touching exhaust components.

Do not start the engine when cleaning the exhaust system.

GENERAL MAINTENANCE

Headlight

NOTE: The LED headlights are fragile and must be replaced as an assembly. HANDLE WITH CARE.

To replace the headlight, use the following procedure:

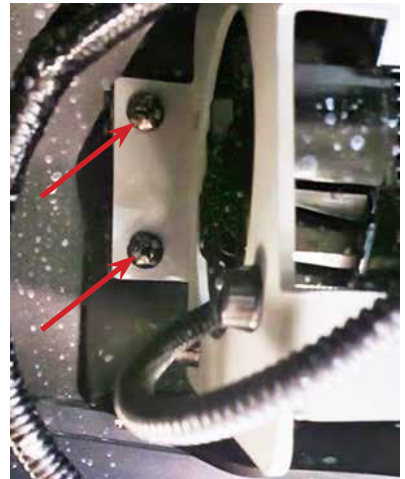
1. Ensure the ignition switch is in the "OFF" position.
2. Using a 14 mm socket and open wrench, remove the bolt and nut securing the headlight assembly to the "L" bracket.
3. Remove the two Phillips head fasteners on the radiator side of the bracket securing the headlight.

NOTE: Account for a wire clip.



4. Remove the two Phillips head fasteners on the outside of the headlight bracket.
5. Disconnect the headlight connections from the main wiring harness.
6. Remove the headlight assembly.
7. To install, reverse the above procedure.

NOTE: DO NOT OVER-TIGHTEN.



GENERAL MAINTENANCE

Taillight/Brake Light

NOTE: The LED taillights are fragile and must be replaced as an assembly. HANDLE WITH CARE.

1. Disconnect the tailgate support cable.
2. Remove the support cable hold-down (A) using an 8 mm Allen wrench.
3. Remove the two (2) Phillips head fasteners (B).
4. Remove the tailgate latch post (C) using an 8 mm Allen wrench.
5. Remove the lower tailgate support bracket bolt (D).
6. Disconnect taillight wire connection from below the cargo box. **NOTE the routing of the wire for reassembly purposes.**
7. Remove the two (2) nuts securing the taillight using a 10 mm wrench.
8. Remove the taillight assembly.
9. To install, reverse the above procedure.

NOTE: DO NOT OVER-TIGHTEN.



LED Headlight Beam Aiming

Turn adjustment screw to adjust beam height to your convenience.

NOTE: Adjust headlights evenly.



LED Headlight and Taillight Bulbs Replacement (TURN SIGNAL LAMP)

The LED Headlight and taillights are built with LEDs (light emitting diode) and this technology proved to be reliable. In the unlikely event they do not work, have them checked by an authorized TGB dealer, a repair shop or person of your choosing.

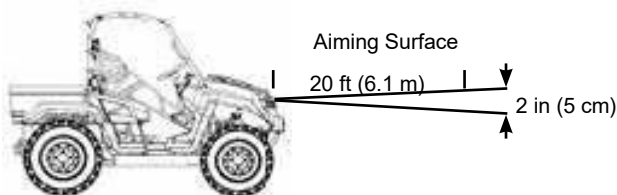


Adjusting Headlight Aim

Headlights can be adjusted vertically and horizontally. The projected center of the LOW beam should be used for vertical and horizontal aiming.

1. Position the vehicle on a flat, level surface so the headlights are approximately 20 ft (6.1 m) from a vertical aiming surface.

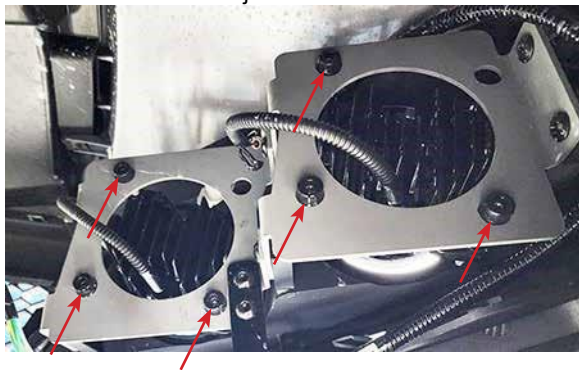
NOTE: There should be an average operating load in the vehicle when adjusting the headlight aim.



2. Measure the distance from the floor to the midpoint of each headlight.
3. Make horizontal marks on the aiming surface using the measurements obtained in step 2.
4. Make vertical marks on the aiming surface which intersect the horizontal marks directly in front of the headlights.
5. Start the vehicle and turn on the LOW beam lights. DO NOT USE HIGH BEAM.
6. Proper aim is obtained when the most intense beam is centered on the vertical mark 2 in (5 cm) below the horizontal mark on the aiming surface.
7. To raise or lower the headlight beam, make the adjustment by turning the appropriate adjustment screw in the headlight bracket.

NOTE: There are three (3) adjustment screws for low beam and three (3) adjustment screws for high beam.

8. Repeat steps 1-7 for HIGH beam adjustment.



GENERAL MAINTENANCE

Fuses

There are two fuse boxes. One MAIN fuse box and one EPS fuse box. The MAXI fuse is located in the EPS fuse box which is located on the right side under the hood.

The EPS controller is located beside the EPS fuse box.

The MAIN fuse box is located under the center seat. If there is any type of electrical system failure, always check the fuses first.

1. Ensure the ignition switch is in the "OFF" position.
2. Open the fuse box cover.

NOTE: To remove a fuse, compress the locking tabs on either side of the fuse cover and lift it out.

3. Remove the old fuse.
4. Install a new fuse into the fuse holder.
5. Close the fuse box cap. Ensure the locking tabs are secure.



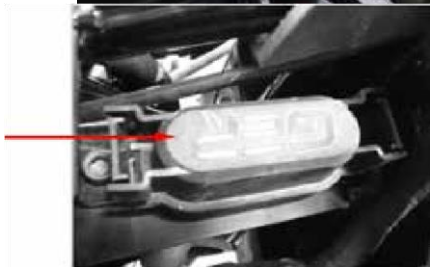
CAUTION

Always replace a failed fuse with a fuse of the same type and rating. If the new fuse fails after a short period of use, consult an authorized BUSHRANGER dealer immediately

HEAD HI 15A	IGNITION 25A	TAIL 10A	F.P RELAY
HEAD LO 15A	P-SOURCE 10A	SPARE 25A	
FUEL PUMP 10A	P-SOURCE 10A	FAN RELAY	MAIN P RELAY
EFI SYSTEM 10A	FAN 25A		



EPS 40A	MAXI 30A	CHARGER 30A
GREEN	PINK	PINK



WARNING

POTENTIAL HAZARD

Using an improper fuse.

WHAT CAN HAPPEN

An improper fuse can cause damage to the electrical system which could lead to a fire.

HOW TO AVOID THE HAZARD

Always use a fuse of the specified rating. Never use a material in place of the proper fuse.

GENERAL MAINTENANCE

WINDSHIELD (IF EQUIPPED)

Curved and laminated glass full windshield in metal frame, and provides excellent optical clarity. It pivoted on 4 latches located at the left-hand and right- hand sides of the windshield, and there are two fixed position on the left and right A-pillars.

If equipped, the windshield is a fixed model windshield. It can quick and easy toolless installation or removal. Using warm water works well to remove bugs in the windshield and front panels.

WINDSHIELD REMOVAL

1. Place the vehicle in "PARK". Turn the key to "OFF" position and remove from the vehicle.
2. Rotate the 4 latches located at the left-hand and right- hand sides of the windshield as shown below to remove the windshield.
3. To prevent damage to the window during storage, store it in an upright position in a secure area. Place the lower frame of the window on wood or another semi-soft surface
4. Make sure service safety, it must be installed and performed by two persons, and the unlock process must be done from down to up.

WINDSHIELD INSTALLATION

1. Turn the 4 latches inside. (as shown below)
2. Place the lower edge of the windshield and push the windshield assembly onto the ROPS.
3. Rotate the 4 latches located at the left-hand and right- hand sides of the windshield as shown below to install the windshield.
4. Make sure service safety, it must be installed and performed by two persons, and the lock process must be done from up to down.



NOTICE!

Do not clean the windshield with alkaline or acid cleaner, gasoline or solvent to avoid windshield damage.



NOTICE!

Do not polish windshield with any plastic cleaner or polisher.



WARNING!

- Never tow this vehicle back-wards with a windshield in place. Windshield could break Away.
- Tow this vehicle facing forward.

GENERAL MAINTENANCE

WINDSHIELD



GENERAL MAINTENANCE

Rear Glass Window (IF EQUIPPED)

Rear Glass WINDOW REMOVAL

(Facing the rear glass window from inside the vehicle)

1. Rotate the left-hand upper window latches counter-clockwise to release the locks. The opposite of the right-hand side.
2. Tilt the upper edge of the window slightly outward and free the lower window brackets from the frame, then carefully lift the window up and away from the vehicle.
3. To prevent damage to the window during storage, store it in an upright position in a secure area. Place the lower frame of the window on wood or another semi-soft surface.
4. Make sure service safety, it must be installed and performed by two persons

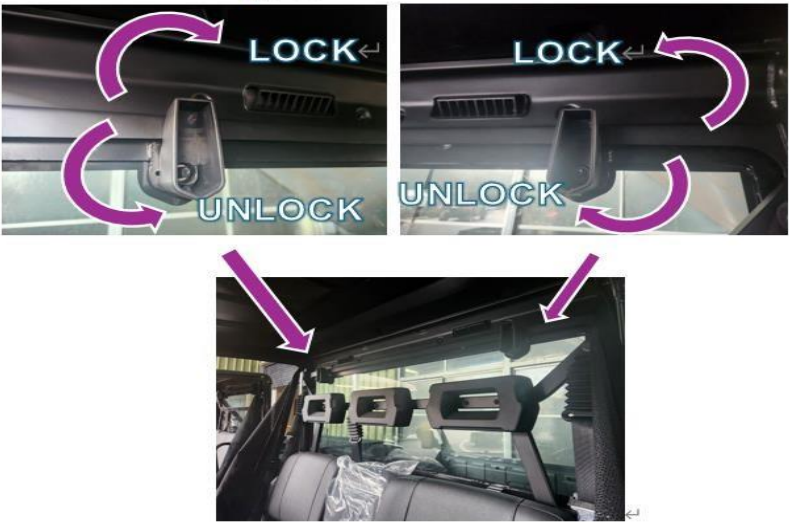
Rear Glass WINDOW INSTALLATION

(Facing the rear glass window from inside the vehicle)

1. Rotate the left-hand upper window latches counter-clockwise to release the locks. The opposite of the right-hand side.
2. From the rear of the cab, place the lower edge of the window into the window opening, hooking the lower window brackets over the frame of the vehicle inside the cab.
3. Align the upper edge of the window to the window opening.
4. Secure the upper window latches. (as shown below)
5. Make sure service safety, it must be installed and performed by two persons

Rear Glass Window

 (Ctrl) ▾



GENERAL MAINTENANCE

WINDSHIELD WIPER/WASHER SWITCH (IF EQUIPPED)

The windshield wiper/washer switch is located on the console area of the vehicle.

The windshield washer fluid reservoir is located under the hood.

Select the desired function by pressing the button of the switch.

Press the WIPER switch to turn on wiper on.

Press the WASHER switch to turn on windshield washer .

Must be used with Windshield Wiper & Washer fluid to maintain clear visibility during severe riding conditions.



Filling up Windshield Washer

Open the hood and remove windshield washer fluid reservoir cap. Fill windshield washer fluid reservoir



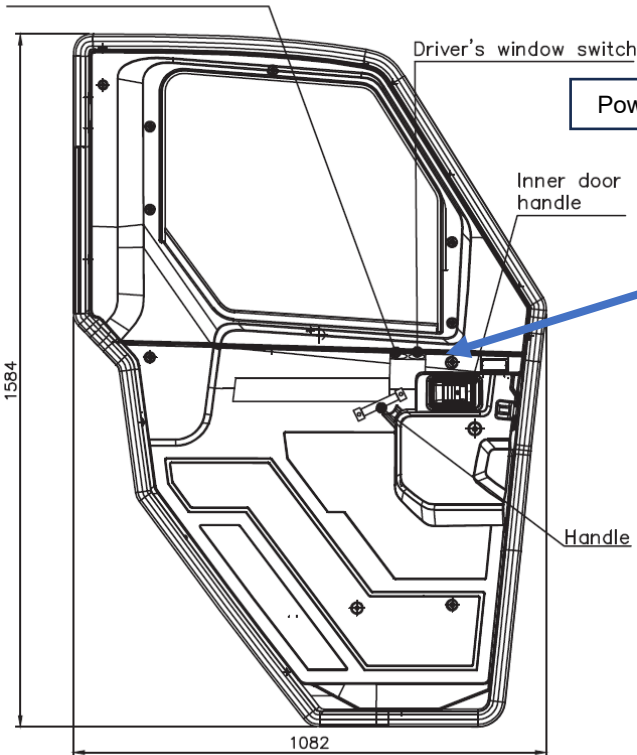
GENERAL MAINTENANCE

FULL CAB (if equipped)



Power Window switches (if equipped)

Passenger window switch

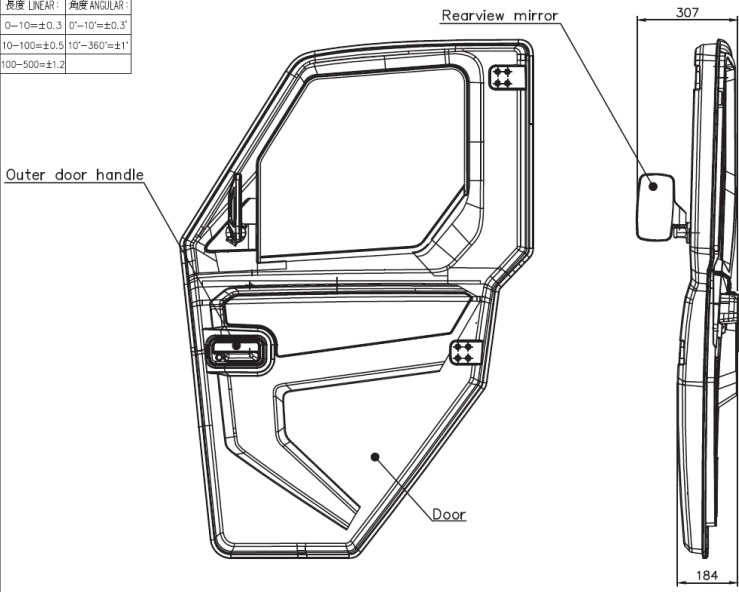


Power Window switches



GENERAL MAINTENANCE

長度 LINEAR :	角度 ANGULAR :
0-10=±0.3	0°-10°=±0.3°
10-100=±0.5	10°-360°=±1°
100-500=±1.2	



Doors hinges and latches (if equipped)

Vehicle hinges (upper)



(lower)

Vehicle latches



GENERAL MAINTENANCE

Full Doors With Electric Windows (If equipped)

Some vehicles come equipped with full doors and electric windows. Doors can be removed from the vehicle. See an authorized TGB dealer for information.

Warning!

Always install safety nets and shoulder bars whenever removing full doors from vehicle. See an authorized TGB dealer for installation instructions.

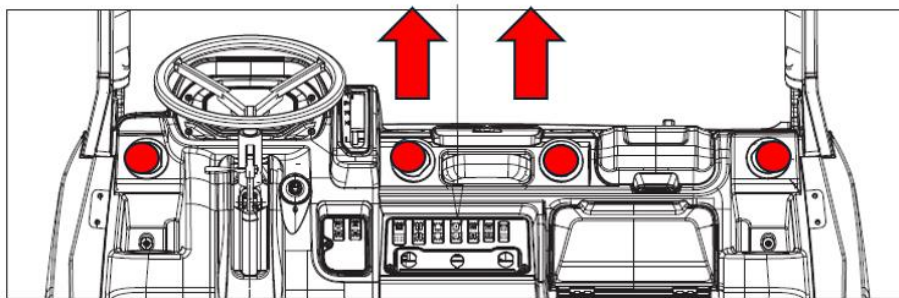
Power Window Switches (If equipped)

The power window switches are located on the door panel. Two switches on the driver side and one on the passenger side.

Press the switch to open and close the window



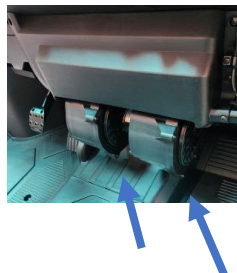
Heating & Ventilation system (If equipped)



Heating Air Filter (If equipped)

Cockpit Air filters

Cockpit air filters are located at the bottom of the center console. There are 2 filters: Two on each side of the unit.



GENERAL MAINTENANCE

Windshield Air Vents (If equipped)

Located on the top of the dash, they allow distribute the air flow on the windshield.

These air vents are typically located near the windshield of the UTV and are used to direct air into the windshield, primarily for defogging.

Console Air Vents

Located on the center of the console, they allow distribute the air flow inside the cockpit.



Heating Switch (If equipped)

To adjust the fan temperature press the blower fan temperature switch, 2 style are available for fan temperature: Heating and the Airflow Mode.

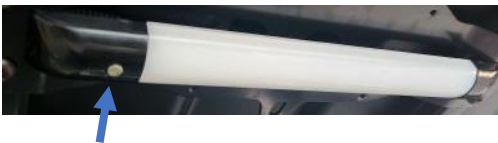


Push on the molded dot to open the vent. Push on vent tabs to close. Rotate the vent to orient the air flow in the cockpit.

Molded dot



interior dome light (If equipped)



Touch switch ON/OFF

SECTION 12. TROUBLESHOOTING

Engine doesn't turn over	
Possible Cause	Solution
Failed fuse	Replace the fuse
Low battery voltage	Recharge battery to 12.5 VDC
Loose battery connections	Check all connections and ignition
Loose solenoid connections	Check all connections and ignition
Engine turns over but fails to start	
Possible Cause	Solution
Out of fuel	Refuel
Clogged fuel filter	Inspect, clean or replace
Water is present in fuel	Drain the fuel system and refuel
Fouled or defective spark plug	Inspect plug, replace if necessary
Crankcase filled with water or fuel	Immediately see your dealer
Low battery voltage	Recharge battery to 12.5 VDC
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 plug
Engine backfires	
Possible Cause	Solution
Weak spark from spark plug	Inspect, clean and/or replace spark plug
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Old or non-recommended fuel	Replace with new fuel
Incorrectly installed spark plug wire	See your dealer
Incorrect ignition timing	See your dealer
Mechanical failure	See your dealer
Engine runs irregularly, stalls or misfires	
Possible Cause	Solution
Fouled or defective spark plug	Inspect, clean and/or replace spark plug
Worn or defective spark plug wire	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Loose ignition connection	Check all connections and tighten
Water present in fuel	Replace with new fuel

TROUBLESHOOTING

Possible Cause	Solution
Possible lean mixture fuel cause	
Low or contaminated fuel	Add or change fuel, clean fuel system
Low octane fuel	Replace with recommended fuel
Possible rich mixture fuel cause	
Fuel is very high octane	Replace with lower octane fuel
Engine stops or loses power	
Possible Cause	Solution
Out of fuel	Refuel
Kinked or plugged fuel vent line	Inspect and replace
Water present in fuel	Replace with new fuel
Fouled or defective spark plug	Inspect, clean and/or replace spark plug
Worn or defective spark plug wire	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Loose ignition connection	Check all connections and tighten
Low battery voltage	Recharge battery to 12.5 VDC
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect, clean or replace
Other mechanical failure	See your dealer
Overheated engine	Clean engine exterior See your dealer

SECTION 13. PREPARATION FOR STORAGE



CAUTION

Prior to storing your UTV, it must be properly serviced to prevent rusting and component deterioration.

Cleaning the Vehicle

Frequent, thorough cleaning of your UTV will not only enhance its appearance but will improve its general performance and extend the useful life of many components.

1. Before cleaning the UTV:
 - a. Block off the end of the exhaust pipe to prevent water entry. A plastic bag and strong rubber band may be used.
 - b. Make sure the spark plug and all filler caps are properly installed.
2. If the engine case is excessively greasy, apply degreaser with a paintbrush. Do



WARNING

- Wet brakes may have reduced stopping ability, increasing the chance of an accident. Test the brakes after washing. Apply the brakes several times at slow speeds to let friction dry out the linings.
- Excessive water pressure may cause water seepage and deterioration of wheel bearing, brakes, transmission seals and electrical devices. Many expensive repair bills have resulted from improper high-pressure detergent applications such as those available in coin-operated car washes.

not apply degreaser to wheel axles.

3. Rinse the dirt and degreaser off with a garden hose. Use only enough pressure to do the job.
4. Once most of the dirt has been hosed off, wash all surfaces with warm water and mild, detergent-type soap. An old toothbrush or bottle brush is handy for hard to reach places.
5. Rinse the vehicle off immediately with clean water and dry all surfaces with a chamois, clean towel or soft absorbing cloth.
6. Clean the seat with vinyl upholstery cleaner to keep the cover pliable and glossy.
7. Automotive type wax may be applied to all painted and chrome plated surfaces. Avoid combination cleaner-waxes. Many contain abrasives, which may mar the paint or protective finish. When finished cleaning, start the engine and let it idle for several minutes.

PREPARATION FOR STORAGE

Short Term

Always store your vehicle in a cool, dry place and if necessary, protect it against dust with a porous cover.



WARNING

Storing the vehicle in a poorly ventilated room or covering it with a tarp while it is still wet, will allow water and humidity to seep in and cause rust. To prevent corrosion, avoid damp cellars, stables and area where strong chemicals are stored.

Long Term

Before storing your vehicle for several months:

1. Follow all the instructions in the “Cleaning” section of this chapter.
2. Fill up the fuel tank and add fuel stabilizer to prevent the fuel from deteriorating.
3. Perform the following steps to protect the cylinder, piston rings, etc. from corrosion.
 - a. Remove the spark plug cap and spark plug.
 - b. Pour a teaspoonful of engine oil into the spark plug bore.
 - c. Install the spark plug cap onto the spark plug and then place the spark plug on the cylinder head so that the electrodes are grounded.
 - d. Turn the engine over several times with the starter.
 - e. Remove the spark plug cap from the spark plug and then install the sparkplug and the spark plug cap.
4. Lubricate all control cables and the pivoting points of all levers and pedals.
5. Check and if necessary, correct the tire air pressure and then block up the vehicle so that all of its wheels are off the ground. Alternatively, turn the wheels a little every month in order to prevent the tires from becoming degraded in one spot.
6. Cover the muffler outlet with a plastic bag to prevent moisture from entering it.
7. Remove the battery and fully charge it. Store it in a cool, dry place and charge it once a month.

Do not store the battery in an excessively cold or warm place less than 32° F (0° C) or more than 86° F (30 C).
8. Make necessary repairs before storing the vehicle.

SECTION 14. Central Control Multimedia.

Central Control Multimedia System (if equipped)



Bluetooth
Speaker

Digital TFT LCD color monitor comes with power harness

Central Control Multimedia Operation Manual

1. Status Bar Introduction

Once the system has started, it enters the main interface, as shown below.



The status bar at the bottom of the main interface contains two icons:



 Clicking this icon will directly return to the main interface.

 Displays the system time, which can be set to a 12-hour or 24-hour format in the settings. By connecting to a mobile hotspot, the time and time zone can be synchronized. Once synchronized, the displayed time will always be correct for the local area.

 Return Button: In any submenu, clicking this button returns to the previous menu.

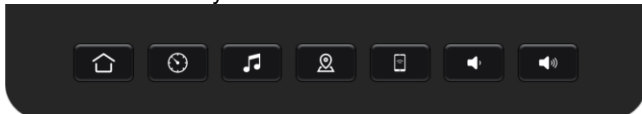
 The main interface displays vehicle speed and differential information.

The top right corner of the main interface shows icons indicating Bluetooth and Wi-Fi connection status.

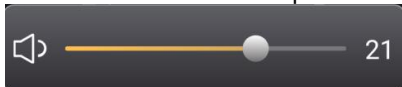
 These icons represent USB connection, Bluetooth speaker or headset connection, mobile Bluetooth connection, GPS, and Wi-Fi connection. If no connection is detected, the corresponding icons will not be displayed.

2. Physical Button Functions

A row of physical buttons is located below the main screen, allowing quick access to secondary menus:



These buttons correspond to the main interface, dashboard, music, maps, screen mirroring, volume decrease, and volume increase. The volume buttons allow quick volume adjustments.



3. Dashboard and Mobile Screen Mirroring Interface

3.1 Dashboard Interface:



The dashboard interface displays gear position, differential, vehicle speed, water temperature, fuel level, battery voltage, compass, and RPM. Users can customize the displayed content by clicking on an icon  to replace the instrument panel display. Clicking on a lit-up icon allows changes to the

dashboard content. 

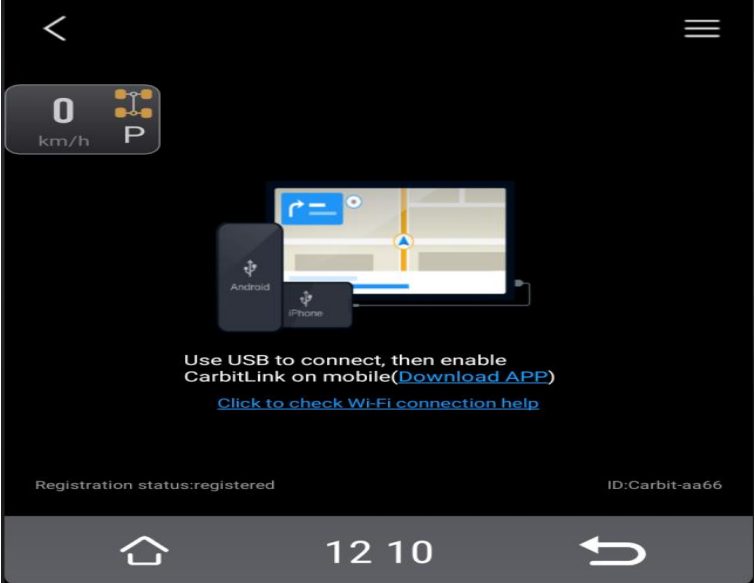
 Represents gear position  and differential type.

Pop up this interface to modify the displayed instrument content.

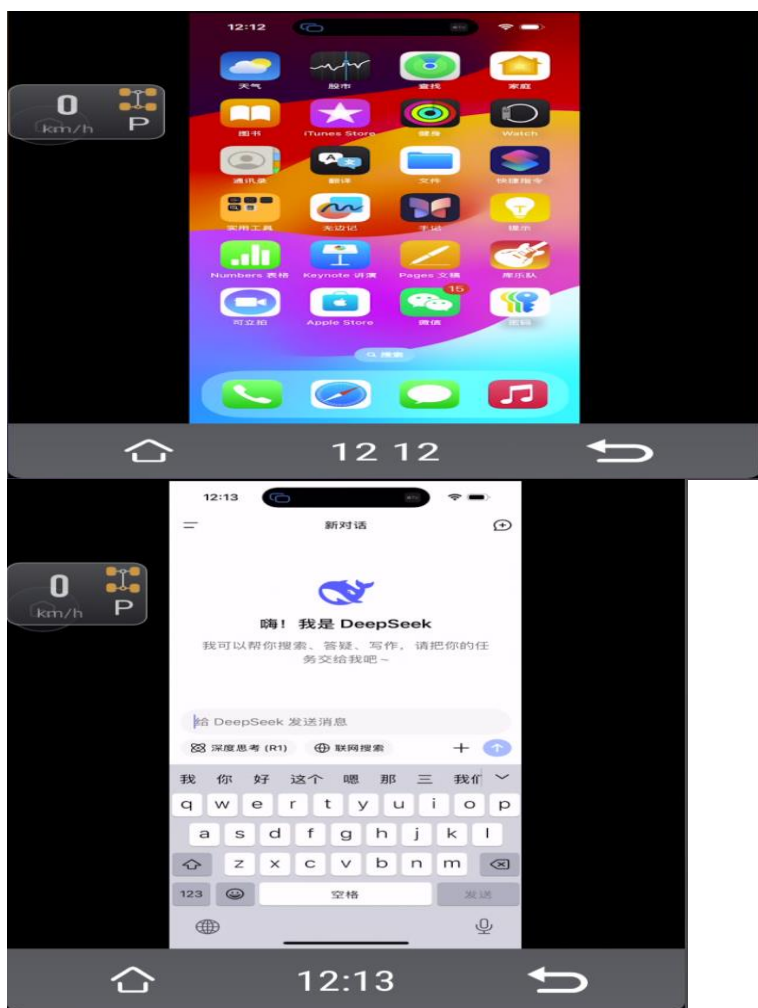


3.2 Mobile Screen Mirroring Interface

Press the physical button  to enter the screen mirroring interface.

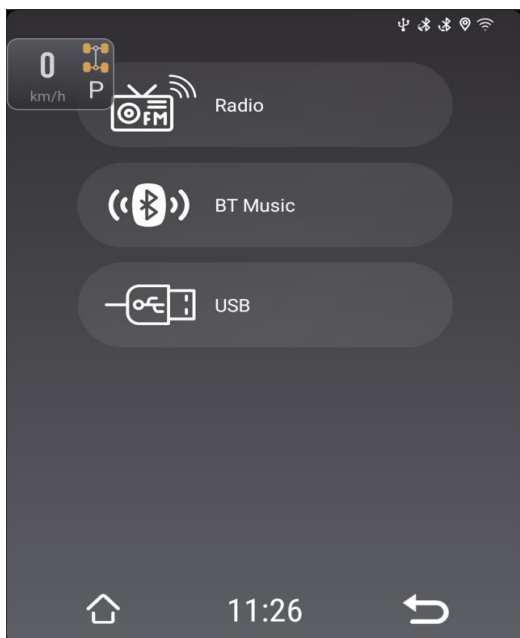


In this menu, users can connect their mobile devices to the system via USB or Wi-Fi to mirror their screen onto the main unit.

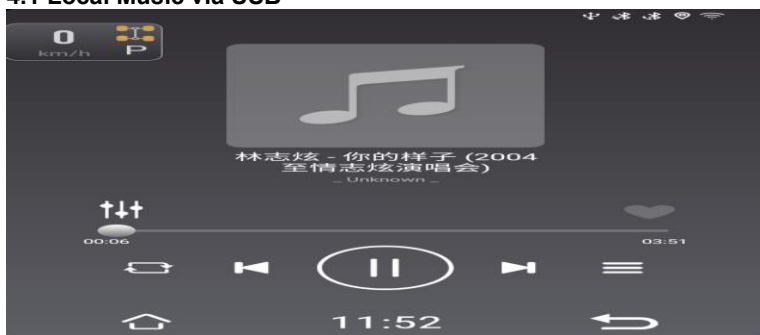


4. Music 、 Radio Function Interface

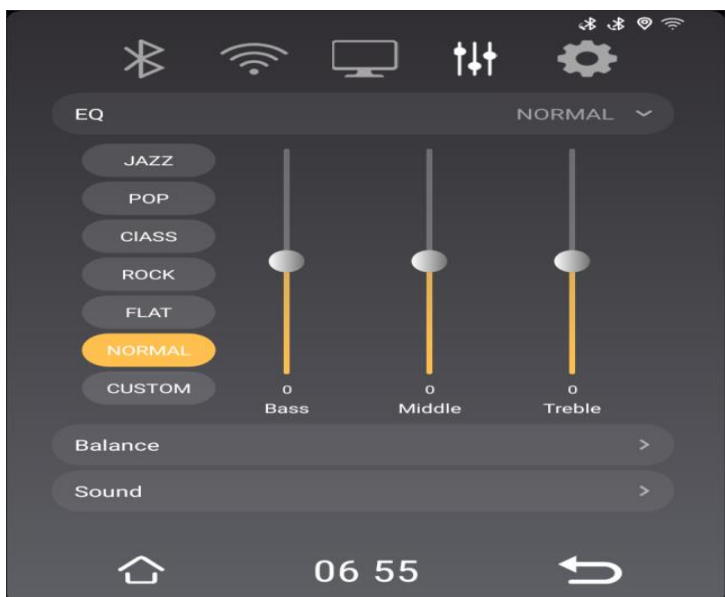
Clicking  the icon on the main interface enters the music interface, which includes radio, Bluetooth music, and local music functions.



4.1 Local Music via USB



4.1.1 Clicking:  the icon on the main interface enters the music interface, which includes radio, Bluetooth music, and local music functions.



4.1.2 Song Playback Mode:

Users can click to switch between different playback modes:  loop playback,,  single-track loop,  and shuffle play.

4.1.3 Song Switching & Playback:

Controls for the previous /next track and . Pause /resume playback 

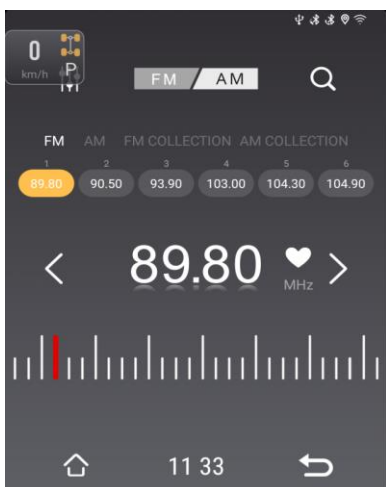
4.1.4 Favorites, Song List & Favorites List:

Click  to open the playlist.



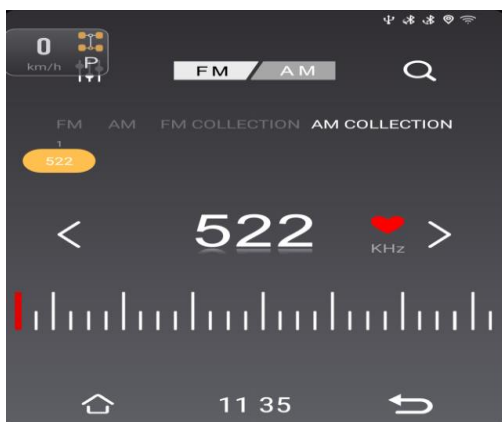
4.2 Radio Function Interface

Click  to enter the radio interface

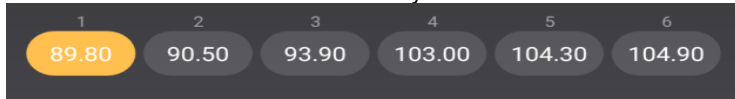


4.2.1 FM/AM channel switching, Click to switch to the FM channel,

, click again to switch to the AM channel. 



4.2.2 Click to  automatically search for available channels.



Click on a found station to switch directly to it for listening. listen.



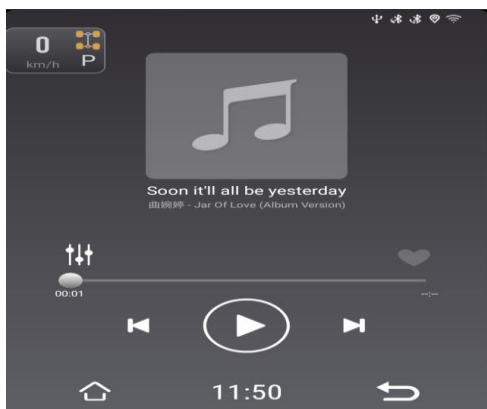
You can also drag to tune to the desired station.

4.2.3 Click to search channels forward  or backward , and click to favorite a channel , and view saved channels in the favorites list.



4.3 Bluetooth Music Function

4.3.1 Click  BT Music to enter the Bluetooth music interface.



4.3.2 Bluetooth music playback function

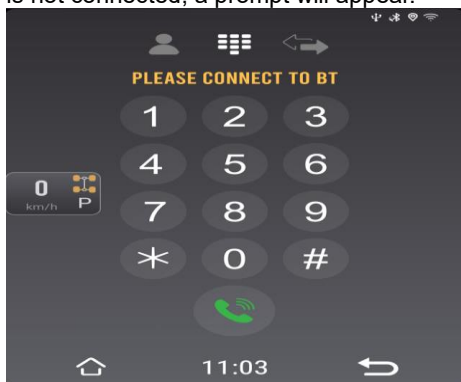
After connecting to Bluetooth, you can use the following controls:

previous  / Next track . Pause  /resume playback .

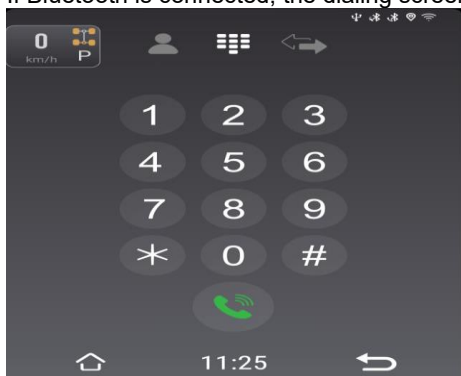
5. Phone Function Interface

5.1 Phone interface:

Click on the main interface  to enter the phone interface. If Bluetooth is not connected, a prompt will appear.



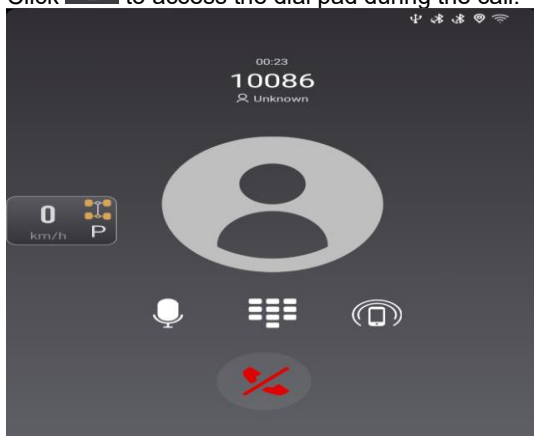
If Bluetooth is connected, the dialing screen will be displayed.



Enter a phone number using the keypad and click to  make a call. Once the call is connected, the outgoing call interface will be displayed.



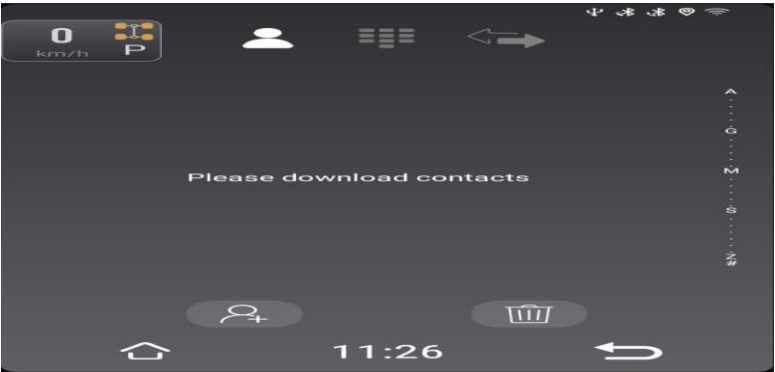
Click  to access the dial pad during the call.



In the outgoing call interface, tap the mute icon  to mute the call, tap open keypad  to access the dial pad, tap the speaker icon  to switch to speaker mode, and tap end call  to hang up.

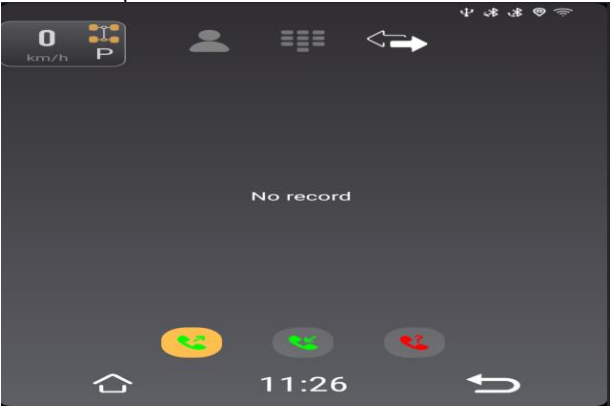
5.2. Contact interface:

Click  to enter the contact interface and request to sync phone contacts.



5.3. Call record interface:

Click  to enter the call record interface and request permission to access the phone in order to download the call record.



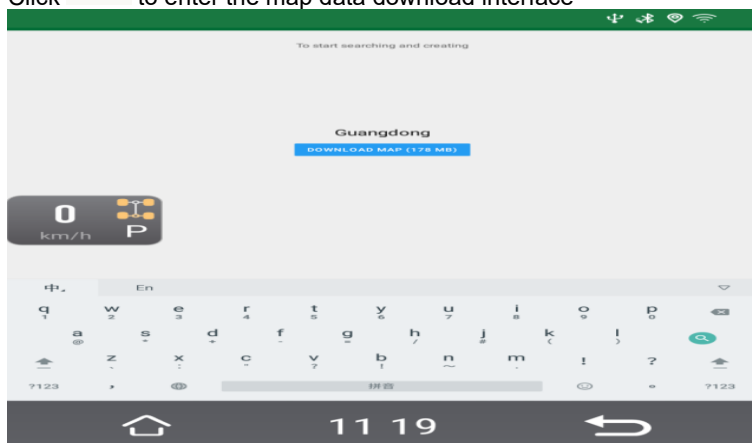
6. Map function

Click  to enter the map function

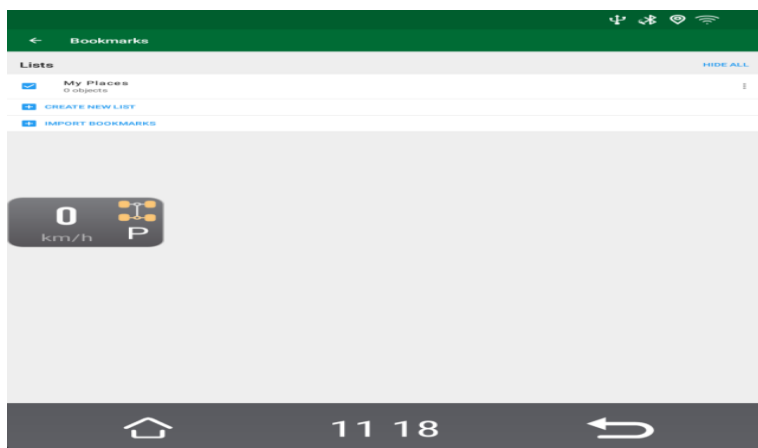


After GPS positioning,  the current location will be displayed on the map.

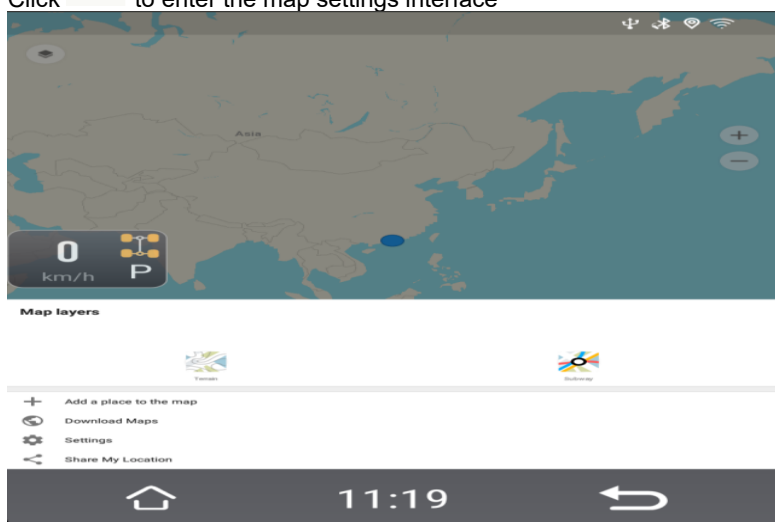
Click  to enter the map data download interface



Click  to save your favorite or frequently used places



Click  to enter the map settings interface



7. Camera Preview

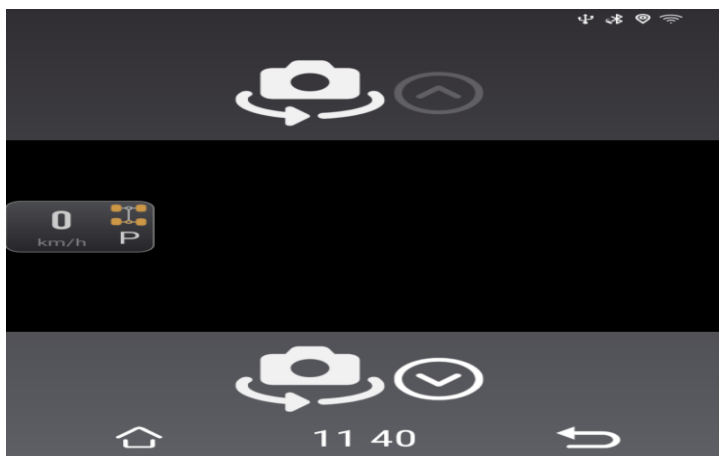
Click  to enter the camera function. The camera has both front and rear cameras. The initial interface will show the front camera view. You can

click  to switch to the rear camera view, and click  again to switch back to the front camera.

Front camera



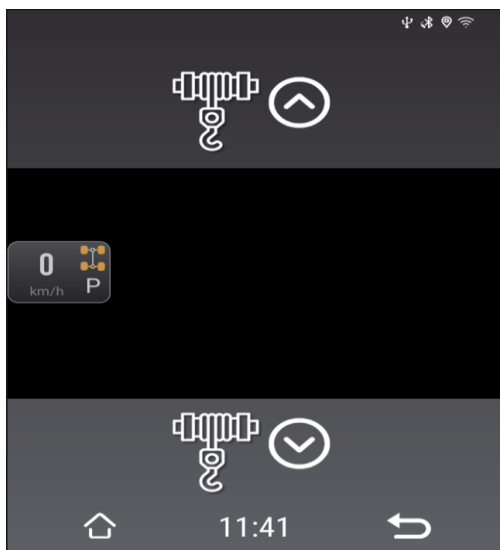
Rear camera



8. Snow Plow function

Click  to enter the snow plow function, which will display the front camera view, and   The snow plow can be controlled using the button.

Long press the upward icon  to activate the snow plow upward, release to stop. Long press the downward icon  to activate the snow plow downward, release to stop.



9. Settings Function

Click  to enter the settings function, which includes Bluetooth, Wi-Fi settings, basic settings, sound settings, and version information.

9.1 Bluetooth Function

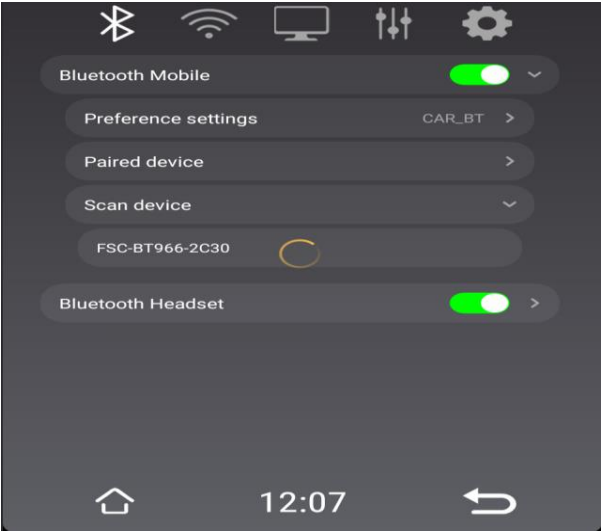
Upon entering the settings function, the initial display will show the Bluetooth settings interface.



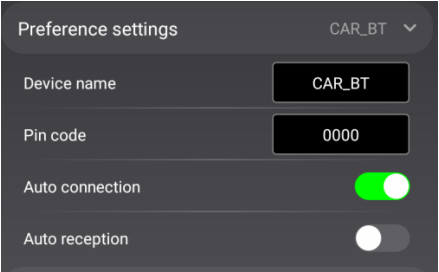
In the Bluetooth connection settings, there are two types of Bluetooth: Bluetooth Phone is for connecting to a mobile phone. And Bluetooth

Headset is for connecting to Bluetooth headsets or Bluetooth speakers, where all sound will be directed to the Bluetooth headset.

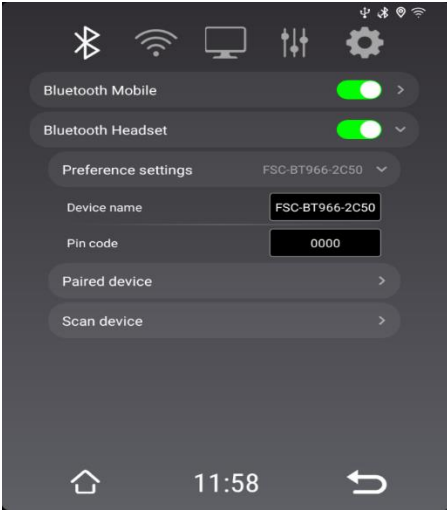
Select the **Bluetooth Mobile** option to enter the Bluetooth phone connection interface.



Select **Preference settings** Options to modify the Bluetooth name and pairing code.



Select the **Bluetooth Headset** option to connect the Bluetooth headset, which works the same as connecting to the Bluetooth phone. You can also modify the Bluetooth headset's name and pairing code.



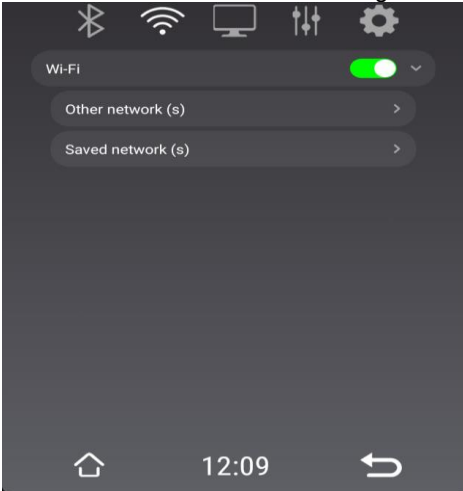
Paired device

The connected Bluetooth devices can be disconnected, reconnected, or deleted. You can search for Bluetooth devices, and the found devices can be clicked to connect.

Scan device

9.2 WIFI network settings:

Click  to enter the WIFI settings interface



After enabling WLAN, **Other network (s)** you can select the desired network, click to enter, enter the password, and connect. Once connected, the Wi-Fi connection will be indicated, and it will appear in **Saved network (s)** the list.

9.3 Basic Function Settings

Click  to enter basic function settings



The basic function settings allow you to adjust the screen brightness, change the language, toggle the status bar log display, set the time, and configure the unit settings for the display on the dashboard.



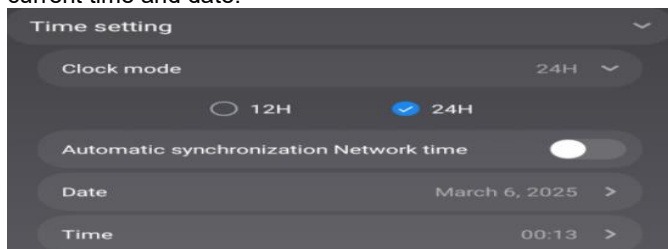
In the language settings, you can select the desired language version.



The logo in the top left corner can be toggled to show or hide.



In the time settings, you can choose between a 12-hour or 24-hour time format, and select either automatic time retrieval or manually set the current time and date.



9.4 Sound Settings

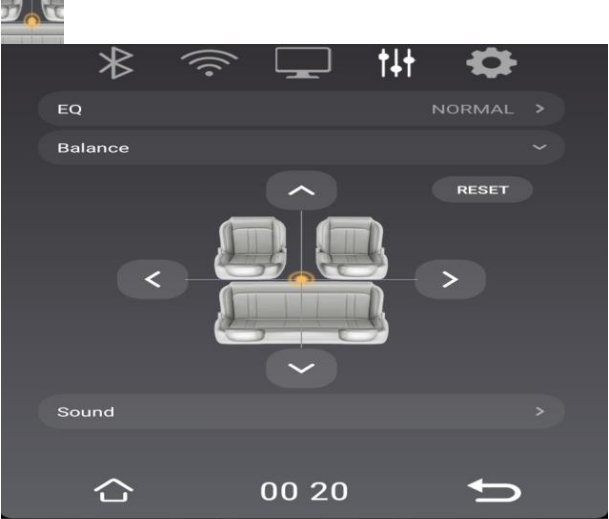
Click  to enter the sound settings interface



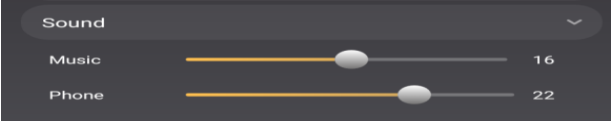
You can set your preferred sound effects



And adjust the sound balance by dragging the blue point in the middle.

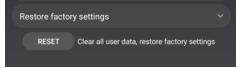


You can also adjust the volume for music media and Bluetooth music.

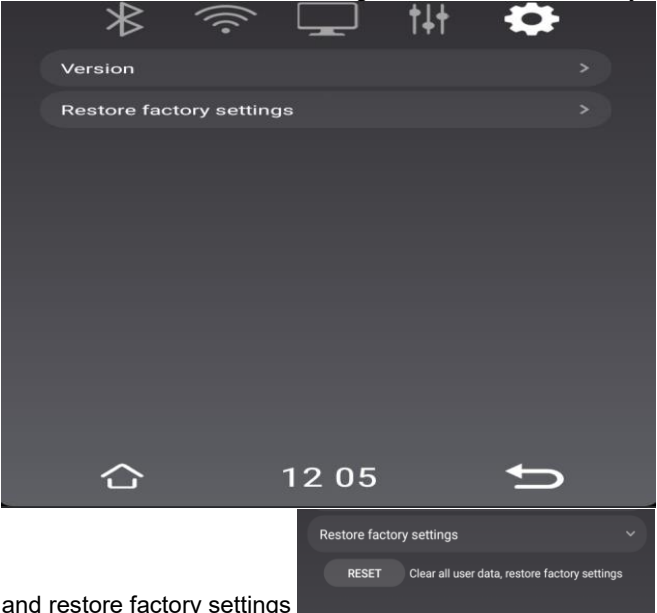


9.5 Click  to enter the version, where you can view version

information and restore factory settings.



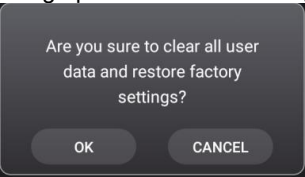
Click OK in the confirmation dialog box to restore the factory settings.



and restore factory settings

Clicking **RESET** will bring up a confirmation dialog box. Click OK to

restore factory settings.



OWNERS DETAILS

NAME: _____

ADDRESS: _____

TELEPHONE: _____

PURCHASE DATE: _____

UTV MODEL: _____

FRAME NO. _____

ENGINE NUMBER: _____

KEY NUMBER: _____

EMISSIONS CONTROL SYSTEM WARRANTY

EMISSIONS CONTROL SYSTEM WARRANTY

Emission System Warranty Statement:

DISTRIBUTORS' LIMITED WARRANTIES EMISSION CONTROL SYSTEMS Your TGB UTV complies with US EPA. TGB provides the same warranty coverage to all UTV owners, regardless of where the UTV is registered.

Manufacturer's Warranty Coverage:

If any emissions-related part on your UTV is defective, the part will be repaired or replaced by Super Powersports Distributors. This is your emissions control system DEFECTS WARRANTY.

Owner's Warranty Responsibilities:

As the UTV owner, you are responsible for the performance of the required maintenance listed in your owner's manual. TGB recommends that you retain all receipts covering maintenance on your UTV, but TGB cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. You are responsible for presenting your UTV to an TGB's dealer as soon as a problem exists. The warranty repair should be completed in a reasonable amount of time, not to exceed thirty (30) days.

Emissions Warranty Coverage:

A qualified repair shop or person of the owner's choosing may maintain, replace, or repair emission control devices and systems with original or equivalent replacement parts. However, warranty, recall and all other services paid for by TGB must be performed at an authorized TGB service center. TGB warrants to the owner of any 2024 and subsequent model year UTV that the UTV is designed, built and equipped to conform at the time of sale with all applicable emission standards and is free from defects in materials and workmanship which would cause it to fail to conform with applicable requirements during the specified time and mileage limits.

This warranty begins on the date the UTV is delivered to the first purchaser other than an authorized TGB dealer, or the date it is first used as a demonstrator, lease, or company UTV, whichever comes first and continues for the time and mileage listed below: Your emission control system may include parts such as the carburetor or fuel injection system, ignition system, catalytic converter, and engine computer. Also included may be hoses, belts, connectors, and other emission

related assemblies. Where a warrantable condition exists, TGB will repair your UTV at no cost to you including diagnosis, parts and labor.

Time: 30 months

Mileage 5,000 kilometers (3,100 miles)

These warranties are given only to the owner of a 2024 and subsequent model year UTV distributed by Super Powersports Distributors.

Emission System Warranty Statement:

As the UTV owner, you should also be aware that TGB may deny you warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications. If you have any questions regarding your warranty rights and responsibilities or if an authorized TGB dealer cannot repair your UTV or honor your claim within a reasonable period of time, contact Super Powersports distributors for assistance at 404-242-6365.

To qualify for coverage under the defects warranty you should operate and maintain your UTV according to the requirements of the warranty booklet, and the maintenance schedule in the owner's manual. This schedule is designed to keep your UTV emission control systems functioning properly by maintaining your UTV in peak operating condition. Failures caused by abuse or lack of required maintenance will not be covered by this warranty. TGB recommends that only parts supplied by TGB or equivalent parts be used to repair your UTV. Maintenance, replacement, or repair of emission control devices and systems may be done by any UTV repair establishment or individual. TGB will only pay for warranty repairs performed at an authorized TGB UTV repair facility (except in an emergency situation). An emergency situation exists when a TGB dealership is not reasonably available, a warranted part is not available within thirty (30) days, or when an authorized TGB facility is unable to complete a repair within thirty (30) days. In an emergency situation, the repair of emission control devices or system may be done by any UTV qualified repair establishment or individual, or by the owner, using any replacement part.

TGB will reimburse you for those emergency repairs, including diagnosis, covered by the Emissions Warranties. Parts reimbursement is at the manufacturer's suggested retail price, and labor reimbursement is at a geographically-appropriate hourly labor rate for TGB recommended time allowance. For reimbursement, present the replacement parts and a copy of the paid receipt to TGB. The use of replacement parts not equivalent to the original parts may impair the effectiveness of your UTV emissions control systems. If such a replacement part is used in the maintenance or repair of your UTV and an authorized TGB dealer determines it is defective or caused a failure of a warranted part, your claim for repair to bring your UTV into compliance with applicable standards may be denied. If the part in

question is not related to the reason your UTV fails to meet the standards, your claim will not be denied.

Warranted Parts:

Throttle body assy, Fuel injector, Fuel pump, ECM, O2 sensor, Fuel tank, Fuel line, Fuel cap, Air intake system, Ignition system, Engine, Exhaust system and components, Spark arrestor.

24 MONTH FACTORY LIMITED WARRANTY

TGB warrants its vehicles, sold by authorized TGB dealers, from defects in material or workmanship for the period and under the conditions described herein.

The UTV must be purchased as new and unused by its first owner from an Authorized TGB Dealer in the country in which the sale occurred.

If the ownership of a product is transferred during the warranty coverage period, this limited warranty, subject to its terms and conditions, shall also be transferred.

This warranty covers parts and labor charges for repair or replacement of defective parts. Parts must be genuine TGB parts, and repairs must be performed by an authorized TGB Dealer. Dealers must keep defective parts for 90 days following the repair, in the event that TGB requires the part for further inspection.

WARRANTY COVERAGE PERIOD

The warranty period is limited to 24 months from the date of sale, for personal use. For emission-related components; please also refer to the US EPA Emission Related Warranty contained herein. The repair or replacement of parts or the performance of service under this warranty does not extend the life of this warranty beyond its original expiration date.

WARRANTY LIMITATIONS & EXCLUSIONS

This warranty does not cover any product which has been subjected to misuse, negligence, alteration, accident, or any abnormal usage, which shall include, but not limited to:

- a. Installation of non- TGB genuine parts
- b. Disassembly, adjustment, or repair of the product in any way so as to affect adversely its safety or reliability.
- c. Rental
- d. Competition or racing

This warranty does not cover loss of use of the product, loss of time, inconvenience, or other consequential damage, which includes, but not limited to, loss or damage to personal property or expense of returning damaged units to Distributor or its authorized dealer. Also not covered is normal wear and tear due to use of the product, consumable components, including but not limited to the following items:

Wheels and tires, Painted or otherwise finished surfaces, Spark plugs, Filter elements, Electrical contacts, Fuses, Clutch plates, Chain and sprockets, Cables, Drive belts, Brake shoes/pads, Bulbs, Rubber parts, Cushioning material, Lubricant, Brake fluid, coolant, etc.

CONSUMER ASSISTANCE

In the event of a controversy or dispute in connection with warranty, TGB suggests that you try to resolve the issue at the TGB Dealer level. We recommend discussing the issue with TGB Distributor/Dealer's Service manager.

If further assistances required, the TGB Distributor service department should be contacted in order to resolve the matter.

If the matter still remains unsolved then contact TGB representative in Americas by writing to us at the address listed below.

TGB Distributor in the US

Company : Super Powersports Distributors

Contact : Mr. Shakeel Jiva

