⚠ WARNING



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR FOR DRIVER AND PASSENGER



NEVER USE ON PUBLIC ROADS



NEVER CARRY PASSENGERS [1-Up]



NEVER CARRY MORE THAN 1 PASSENGER [2-Up]



NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper training or instruction.
- at speeds too fast for your skills or the conditions.
- on public roads - a collision can occur with another vehicle.
- [1-Up ATV only] with a passenger - passengers affect balance and steering and increase risk of losing control.
- [2-Up ATV only] with a passenger unless passenger seat is securely in place.

THE OPERATOR MUST ALWAYS:

- use proper riding techniques to avoid overturns on hills and rough terrain and in turns.
- avoid paved surfaces - pavement may seriously affect handling and control.
- [2-Up ATV only] reduce speed and use extra caution at all times when carrying a passenger - dismount passenger when conditions require.
- [2-Up ATV only] make sure passenger reads and understands this label and passenger safety label.

LOCATE AND READ OWNER'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS

For your nearest Segway dealer, call 1-800-887-2887
or visit www.segwaypowersports.us

Segway Powersports Inc.
5308 W Plano Pkwy, Plano,
TX 75093

Part No. : A01-L200009-LEN-02
Revision 20260320 V1.0

SEGWAY

UP FOR ANYWHERE



SEGWAY

OWNER'S MANUAL

Segway AT6 S / Segway AT6 L

Read this manual carefully,it contains important safety information.
This is an adult vehicle only.Operation is prohibited for those under 16 years of age.

⚠ WARNING

FOR YOUR SAFETY, read, understand and follow all of the instructions and safety precautions in this manual and on all product labels.

Failure to follow the safety precautions could result in serious injury or death.

WELCOME

Thank you for buying this Segway. Segway off-road vehicles will bring you a new driving experience.

For your driving safety, read this manual and all on-product labels before riding. This manual contains numerous warnings, safety information and safe operating instructions, maintenance and service information, maintenance instructions and safety warnings.

Reading this manual will help you quickly understand the vehicle and help you with safe driving practices.

Periodic maintenance procedures are included in this manual and should be performed regularly to keep your vehicle running safely.

Segway Mobility App

IMPORTANT NOTICE

This vehicle is designed and manufactured for off-road use only and complies with all applicable off-road noise, vibration, and emission regulations.

Before driving the vehicle, please understand the local laws and regulations, abide by the local traffic regulations.

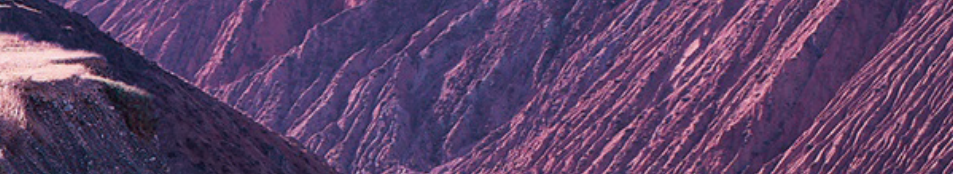
This manual describes all equipment including optional components. Therefore, some of the optional equipment described in the manual may be not installed on your vehicle.

Bluetooth® is a registered trademark of Bluetooth Sig, Inc. QR Codes® is a registered trademark of DENSO WAVE INCORPORATED. Google Play® is a registered trademark of Google, Inc. Apple® is a registered trademark of Apple Inc. Segway® is a registered trademark of Segway Inc. Unless noted, trademarks are the property of Segway Powersports Inc. and its affiliates.

Copyright 2027 Segway Powersports Inc. All information contained within this publication is based on the latest product information at the time of publication. Due to constant improvements in the design and quality of production components, some minor discrepancies may result between the actual vehicle and the information presented in this publication. Depictions and/or procedures in this publication are intended for reference use only. No liability can be accepted for omissions or inaccuracies. Any reprinting or reuse of the depictions and/or procedures contained within, whether whole or in part, is expressly prohibited.

If your vehicle needs any service and repair, please contact your authorized Segway dealer to provide service.

Visit **http://www.segwaypowersports.us** for a list of authorized dealers and service locations.



INDEX

SAFETY INTRODUCTION	1
VEHICLE DEVICE	31
OPERATION	62
MAINTENANCE, STORAGE AND TRANSPORTATION	89
SPECIFICATIONS	155
TROUBLESHOOTING	162
EMISSION CONTROL SYSTEM	175
WARRANTY	178

INTRODUCTION BEFORE YOU RIDE

This SEGWAY vehicle is an off-road vehicle. Familiarize yourself with all laws and regulations concerning the operation of this vehicle in your area.

⚠ WARNING

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

Your SEGWAY vehicle is not toy and can be hazardous to operate. This vehicle handles differently than cars, trucks or other off-road vehicles. A collision or rollover can occur quickly, even during routine maneuvers like turning, or driving on hills or over obstacles, if you fail to take proper precautions.

- Read this owner's manual and on product labels. Understand all safety warnings, precautions and operating procedures before operating the vehicle. Keep this manual with the vehicle.
- Take an authorized ATV safety training course. If you purchased a new SEGWAY ATV in the United States, your dealer provided information about the authorized safety training course that is available to you and your eligible family members.
- This vehicle is an ADULT VEHICLE ONLY. You MUST be at least age 16 to operate.
- Always wear a helmet, eye protection, gloves, long-sleeve shirt, long pants and over-the-ankle boots.
- Never operate this vehicle under the influence of drugs or alcohol, as these conditions impair judgment and reduce the operator's ability to react.

- Complete the New Operator Driving Procedures outlined in this manual.
- Never permit a guest to operate this vehicle unless the guest has reviewed the owner's manual and all safety labels and has completed safety training.

⚠ WARNING

Throughout this Operator's Guide, the term “1-UP” refers to vehicles designed to carry the operator only while the term “2-UP” refers to vehicles designed to also carry a passenger.

Make sure to identify and follow the warnings and instructions
that are applicable to your specific model.

The meaning of these signs

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

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

⚠ WARNING

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

⚠ CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

CAUTION

CAUTION, used without the safety alert symbol, is used to address practices not related to personal injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

The Prohibition Safety Sign indicates an action NOT to take in order to avoid a hazard. 	The Mandatory Action Sign indicates an action that NEEDS to be taken to avoid a hazard. 



SAFETY INTRODUCTION

IMPORTANT ON-PRODUCT LABELS 3
HANG TAG 3
WARNING LABELS 5
SPECIAL SAFETY MESSAGES 15
IMPORTANT SAFETY INFORMATION 18
READING THE MANUAL 18
SAFE DRIVING AGE 19
RIDING EQUIPMENT 20
OPERATION ON PAVEMENT 21
OPERATION ON PUBLIC ROADS 22
OPERATING AT EXCESSIVE SPEEDS 22
VEHICLE MODIFICATION 23
PASSENGERS 24
CONTACT EXHAUST 25
UNAUTHORIZED USE OF THE VEHICLE 26
FUEL SAFETY 26
FAILURE TO INSPECT BEFORE OPERATING 27
IMPROPER TIRE MAINTENANCE 27
OPERATING ON FROZEN BODIES OF WATER 28
HOT EXHAUST SYSTEMS 28
OPERATING A DAMAGED VEHICLE 29
OPERATING IN UNFAMILIAR TERRAIN 29
IMPROPER HILL CLIMBING 29
DESCENDING HILLS IMPROPERLY 30
SKIDDING AND SLIDING 30

SAFETY INTRODUCTION

Failure to follow the warnings and safety precautions in this manual may result in serious injury or death. It can be dangerous to operate an ATV without proper instruction. AN ATV is driven differently from other vehicles, such as motorcycles and automobiles. If proper precautions are not taken, a collision or roll-over may occur during normal maneuvers such as turning, climbing or overcoming obstacles. Understand all safety warnings, precautions and operating procedures before operating the vehicle. Bring this manual with you.

If you purchased a new Segway ATV in the United States, our authorized dealer will provide information about the authorized ATV RiderCourse that is available to you and your immediate family members. This training is included in the purchase price of your ATV. Our authorized dealer will also provide you with printed materials that explain safe operating procedures. You should review this information regularly. If you purchased a used Segway ATV in the United States, you can enroll inthe ATV RiderCourse for a fee. Call ATV Enrollment Express at (800)887-2887 or visit www.atvsafety.org.

IMPORTANT ON-PRODUCT LABELS

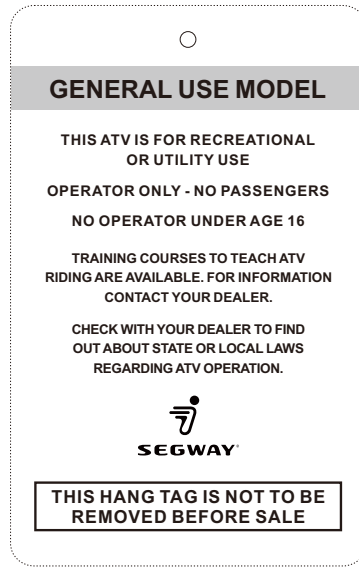
This vehicle comes with a hang tag and labels containing important safety information.

Any person who rides this vehicle should read and understand this information before riding.

HANG TAG

This hang tag is not to be removed before sale.





1-UP Models

SAFETY INTRODUCTION

⚠ WARNING

Improper use can result in SEVERE INJURY or DEATH



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR FOR DRIVER AND PASSENGER

NEVER USE ON PUBLIC ROADS

NEVER CARRY MORE THAN 1 PASSENGER

NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper ATV training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger unless passenger seat is securely in place

THE OPERATOR MUST ALWAYS:

- use proper riding techniques to avoid overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control
- reduce speed and use extra caution at all times when carrying a passenger - dismount passenger when conditions require
- make sure passenger reads and understands this label and passenger safety label

LOCATE AND READ OPERATOR'S MANUAL. FOLLOW ALL INSTRUCTIONS AND WARNINGS

GENERAL USE MODEL

THIS ATV IS FOR RECREATIONAL OR UTILITY USE

NO OPERATOR UNDER AGE 16

TRAINING COURSES TO TEACH ATV RIDING ARE AVAILABLE. FOR INFORMATION CONTACT YOUR DEALER.

CHECK WITH YOUR DEALER TO FIND OUT ABOUT STATE OR LOCAL LAWS REGARDING ATV OPERATION.

SEGWAY®

THIS HANG TAG IS NOT TO BE REMOVED BEFORE SALE

2-UP Models

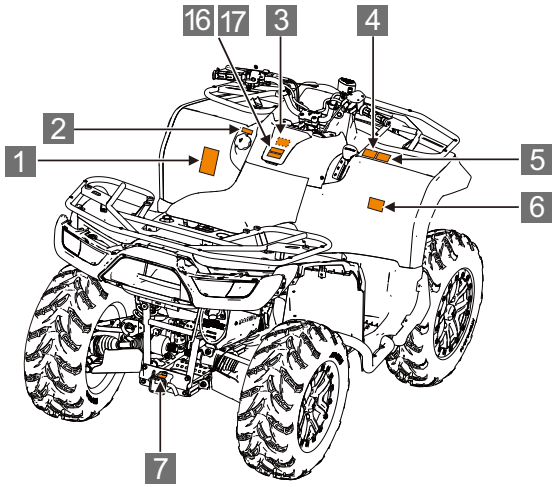
WARNING LABELS

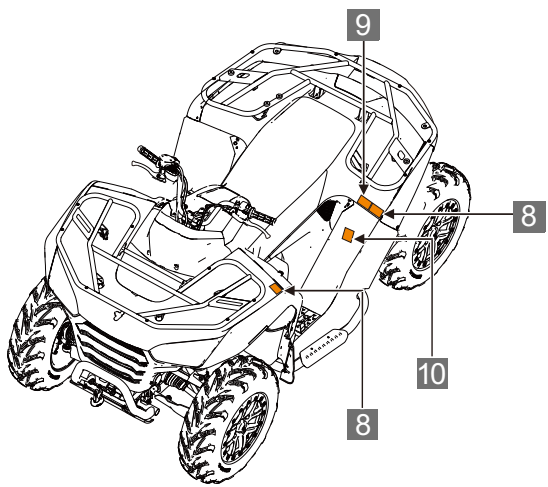
To protect you, warning labels have been placed on the vehicle. Read carefully and follow the instructions on the vehicle label. If any label described in this manual is different from the label on your vehicle, the label on the vehicle shall prevail. If any label becomes illegible or falls off, contact the dealer to purchase a new label for replacement.

FOR MORE INFORMATION ABOUT ATV SAFETY in the United States, call the Consumer Product Safety Commission at 1-800-638-2772, or visit www.cpsc.gov, or www.atvsafety.org.

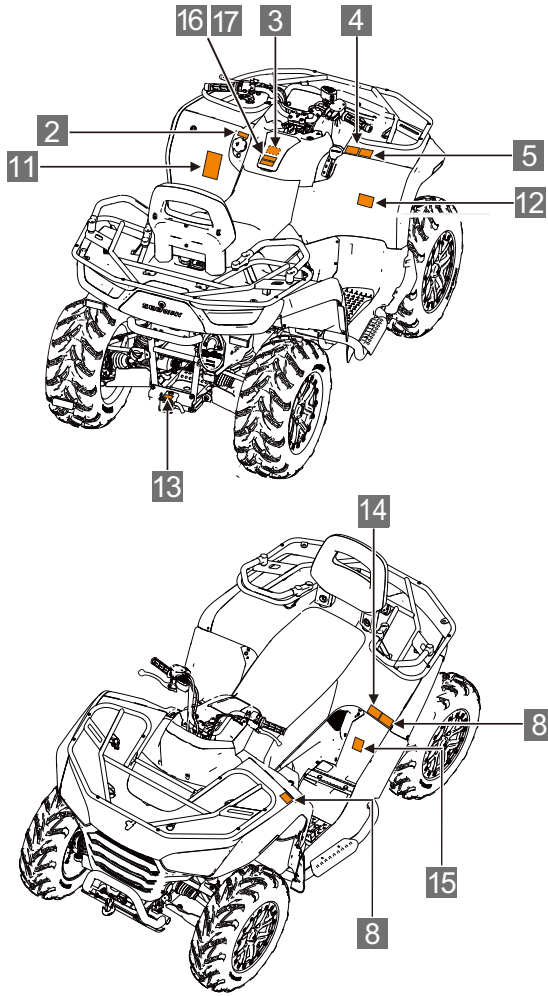
SAFETY INTRODUCTION

Commercial Name: Segway AT6 S (1-UP Models)





Commercial Name: Segway AT6 L (2-UP Models)



SAFETY INTRODUCTION

1

⚠ WARNING

Improper ATV use can result in SEVERE INJURY or DEATH



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR



NEVER USE ON PUBLIC ROADS



NEVER CARRY PASSENGERS



NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger - passengers affect balance and steering and increase risk of losing control

ALWAYS:

- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

LOCATE AND READ OWNER'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS

1-UP Models

2



3

CAUTION

The air filter must be maintained in accordance with the requirements of the Segway Owner's Manual, otherwise it may seriously damage your engine.

4

⚠ WARNING

Turning the vehicle in 4WD-LOCK (“DIFF. LOCK”) takes more efforts. Operate at a slow speed and allow extra time and distance for maneuvers to avoid loss of control.

5

⚠ WARNING

- Step on the brake pedal each time the gear is changed.
- When the ATV is unmanned, the transmission must be placed in parking gear.

6

⚠ WARNING

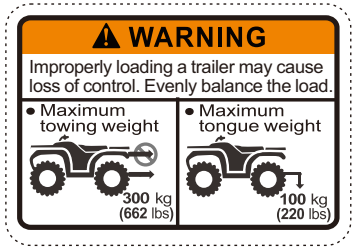


Operating this ATV if you are under the age of **16** increases your chance of severe injury or death.

NEVER operate this ATV if you are under age **16**.

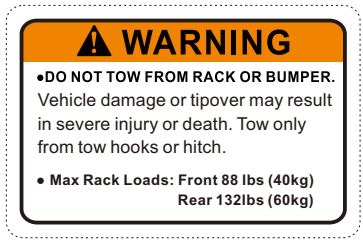
1-UP Models

7

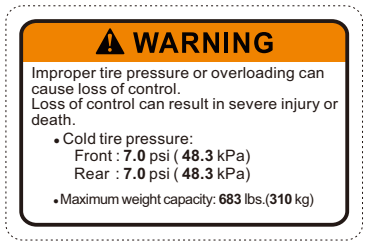


1-UP Models

8



9



1-UP Models

10



1-UP Models

11

⚠ WARNING

Improper use can result in SEVERE INJURY or DEATH



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR FOR DRIVER AND PASSENGER



NEVER USE ON PUBLIC ROADS



NEVER CARRY MORE THAN 1 PASSENGER



NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper ATV training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger unless passenger seat is securely in place

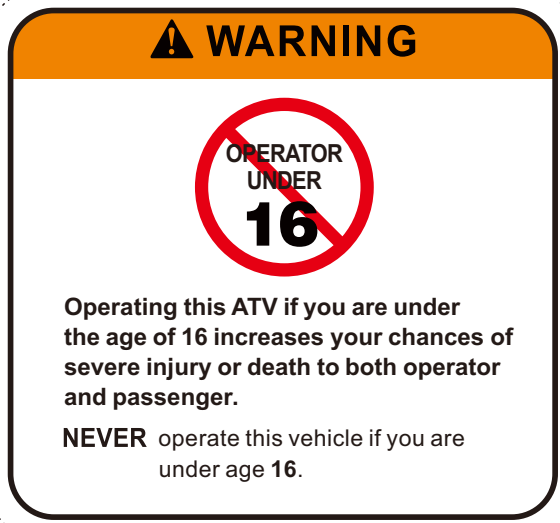
THE OPERATOR MUST ALWAYS:

- use proper riding techniques to avoid overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control
- reduce speed and use extra caution at all times when carrying a passenger - dismount passenger when conditions require
- make sure passenger reads and understands this label and passenger safety label

LOCATE AND READ OPERATOR'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS

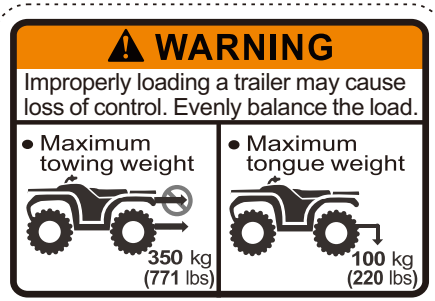
2-UP Models

12



2-UP Models

13



2-UP Models

14

⚠ WARNING

Improper tire pressure or overloading can cause loss of control.
Loss of control can result in severe injury or death.

- Cold tire pressure:
  Front : **7.0** psi (**48.3** kPa)
  Rear : **7.0** psi (**48.3** kPa)
- Maximum weight capacity: **815** lbs.(**370** kg)

2-UP Models

15

⚠ WARNING

PASSENGER SAFETY

To reduce the risk of SEVERE INJURY or DEATH.



NEVER CARRY MORE THAN ONE PASSENGER



NEVER RIDE AFTER USING DRUGS OR ALCOHOL

NEVER carry a passenger too small to firmly plant feet on footrests and securely grasp hand holds.

THE PASSENGER MUST **ALWAYS** :

- use an approved helmet and protective gear
- securely grasp hand holds and plant feet firmly on footrests while seated in the passenger seat
- tell operator to slow down or stop if uncomfortable - get off and walk if conditions require

2-UP Models

16

Segway Powersports Inc. is the importer of this ATV and certifies it is in compliance with the Segway Powersports Inc. Action Plan approved by the CPSC.

17

⚠ ATTENTION

SEGWAY POWERSPORTS INC. certifies that this ATV Complies with the American National Standard for four Wheel All-Terrain Vehicles, **ANSI/SVIA-1-2017** Standard.

SPECIAL SAFETY MESSAGES

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

- The minimum recommended driving age for this vehicle is 16 years.
- Never operate this vehicle without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or a face shield), gloves, over-the-ankle boots, long-sleeved shirt or jacket and long pants.
- Never consume alcohol or drugs before or while operating this vehicle.
- Never attempt jumps of stunts.
- Never operate at speeds too fast for your skills or the conditions. Always go at a speed that is proper for the terrain, visibility, operating conditions and your experience.
- Always inspect your vehicle each time you use it to be sure it is in safe operating condition.
- Never operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the vehicle on such terrain. Always be especially cautious on these kinds of terrain.
- Always follow the inspection and maintenance procedures and schedules described in this manual.
- Never operate on hills that are slippery or ones where you will not be able to see far enough ahead of you.
- Never go over the top of a hill at speed if you cannot see what is on other side.

- Always keep both hands on the handlebars when driving.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when driving the vehicle.
- Never turn at excessive speed. Practice turning at slow speeds before attempting to turn at faster speeds. Do not attempt turns on steep inclines.
- Always follow proper procedures for going uphill. If you lose control and cannot continue up a hill, back down the hill with the engine in reverse gear.
- Never operate the vehicle on hills that are too steep for it or for your abilities. Go straight up and down hills where possible.
- Never operate the vehicle in fast flowing water or water deeper than the floorboards on this model. Remember that wet brakes may reduce stopping ability. Test your brakes after leaving water. If necessary, apply the brake several times to let friction dry out the linings.
- Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in reverse, go slowly.
- Always check terrain before going down hills. Go as slowly as possible. Never go down a hill at high speed.
- Always check for obstacles before operating in a new area.
- Do not brake abruptly when carrying loads.
- Always use the size and type of tires specified in this manual.
- Always maintain proper tire pressure as described in this manual.
- Never exceed the stated load capacity. Cargo should be distributed evenly between the front and rear racks. Be

sure cargo is secured so that it cannot move around during operation. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking.

- Brake discs can be over-heated after continuous braking. Allow brake disc to cool before servicing.
- Be aware of burn and fire risks related to contact with hot surfaces, including residual risks such as filling of oil or coolant, hot engines or transmissions.
- Exhaust system components are very hot during and after use of the vehicle. Hot components can cause burns and fire. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.
- Use caution when traveling through tall grass, especially dry grass. Always inspect the underside of the vehicle and areas near the exhaust system after driving through tall grass, weeds, brush, and other tall ground cover. Promptly remove any grass or debris clinging to the vehicle.

IMPORTANT SAFETY INFORMATION

READING THE MANUAL

⚠ WARNING

Driving an ATV improperly increases the risk of accidents. The driver must know how to drive the vehicle correctly in different situations and on different terrains.

Before driving the vehicle, all drivers must complete the required driving safety training. Please ensure that each driver has read this manual and all product warning labels and has passed the safety training course.



SAFE DRIVING AGE

⚠ WARNING

The minimum recommended driving age for this vehicle is 16 years. Children under the age of 16 must not drive this vehicle. Training courses are required. Please ensure that each driver has read this manual and all product labels as well as has completed a safety training course.



RIDING EQUIPMENT

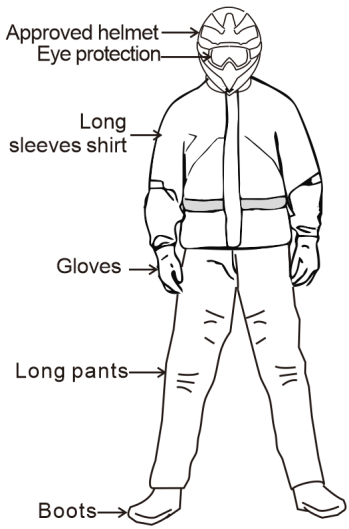
⚠ WARNING

For your safety, we strongly recommend that you always wear an approved motorcycle helmet, eye protection, boots, gloves, long pants, and a long-sleeved shirt or jacket whenever you ride.

Although complete protection is not possible, wearing proper gear can reduce the chance of injury when you ride.

Helmet

Wearing a helmet can prevent head injuries. At all times, you must wear a helmet that meets basic safety standards when driving. Both U. S. and Canadian qualified helmets bear a U. S. Department of Transportation label. ECE 22.05 marks are available in Europe, Asia and Oceania. The ECE mark consists of a circle around the letter E, followed by the approved area codes for different countries. The approval number and serial number are also displayed in the label.



Additional Riding Gear

Sturdy off-rode motorcycle boots to help protect your feet, ankles, and lower legs.

Off-road motorcycle gloves to help protect your hands.

Riding pants with knee and hip pads, a riding jersey with padded elbows, and a chest/ shoulder protector.

Driving ATV after drinking or taking drugs may adversely affect a driver's judgment, reaction time, balance, and feelings. Do not drink alcohol or take drugs before or during driving.

OPERATION ON PAVEMENT

⚠ WARNING

This vehicle's tires are designed for off-road use only, not for use on pavement. Operating this vehicle on paved roads (including pavement, paths, parking lots and lanes) may adversely affect the handling of the vehicle and may increase the risk of loss of control and accident or rollover. Avoid operating the vehicle on pavement. If it's unavoidable, drive slowly, short distances and avoid sudden turns or stops.



OPERATION ON PUBLIC ROADS

⚠ WARNING

Operating this vehicle on public streets, roads, highways or freeways may result in a collision with another.

Never operate this vehicle on any public street, road, highway or freeway, even a dirt or gravel one. In many states, it is illegal to operate this vehicle on public streets, roads, highways and freeways.



OPERATING AT EXCESSIVE SPEEDS

⚠ WARNING

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

VEHICLE MODIFICATION

⚠ WARNING

We strongly recommend that consumers do not attempt to increase vehicle speed or use any equipment that increases the power of the vehicle. If any equipment is added to the vehicle, or if any modifications are made to the vehicle to increase the vehicle speed or power, the all-terrain vehicle warranty is terminated. The addition of certain parts may change the handling of the vehicle, including but not limited to mowers, sledges, tires, sprayers, or large luggage racks.



PASSENGERS

⚠ WARNING

Passengers severely reduce a driver's ability to balance and control ATVs, which can lead to accidents or rollovers. Never exceed the number of passengers allowed by the vehicle.

1-UP Models Never carry passengers	2-UP Models Maximum passenger: 1 person
	

CONTACT EXHAUST

⚠ WARNING

Engine exhaust is toxic and can cause loss of consciousness or death in a short time. Do not start or run a motor in a closed space. The engine exhaust of this product contains chemicals that cause cancer, birth defects or other reproductive damage, and you can only drive it outside or in a well-ventilated place.



SAFETY INTRODUCTION

UNAUTHORIZED USE OF THE VEHICLE

⚠ WARNING

If the key is left in the ignition, those people under the age of 16 or without a license, or without proper training can use the vehicle illegally. This could cause an accident or a rollover. Always remove the ignition key when the vehicle is not in use.

FUEL SAFETY

⚠ WARNING

Gasoline is very flammable under certain conditions.

- You must be extremely careful when dealing with gasoline.
- When refueling, the engine must be shut off and must be done outdoors or in a well-ventilated area.
- At or near the refueling or gasoline storage place. No smoking, no open flames or sparks.
- Do not overflow when refueling. Do not fill the tank to the neck.
- If gasoline gets on your skin or clothes, wash them with soap and water immediately and change clothes.

FAILURE TO INSPECT BEFORE OPERATING

⚠ WARNING

- Failure to inspect and verify that the vehicle is in safe operating condition before operating increases the risk of an accident and injury.
- Always perform the pre-ride inspection before each use of your vehicle to make sure it's in safe operating condition.
- Always follow the inspection and maintenance procedures and schedules described in this owner's manual.

IMPROPER TIRE MAINTENANCE

⚠ WARNING

- Operating this vehicle with improper tires or with improper or uneven tire pressure could cause loss of control or an accident.
- Always use the size and type of tires specified for your vehicle.
- Always maintain proper tire pressure as described in the owner's manual and on safety labels.

OPERATING ON FROZEN BODIES OF WATER

⚠ WARNING

- Severe injury or death can result if the vehicle and/or the operator fall through the ice. Never operate the vehicle on a frozen body of water unless you have first verified that the ice is sufficiently thick to support the weight and moving force of the vehicle, you and your cargo, together with any other vehicles in your party.
- Always check with local authorities and residents to confirm ice conditions and thickness over your entire route. Vehicle operators assume all risk associated with ice conditions on frozen bodies of water.

HOT EXHAUST SYSTEMS

⚠ WARNING

- Exhaust system components are very hot during and after use of the vehicle. Hot components can cause burns and fire. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.
- Use caution when traveling through tall grass, especially dry grass. Always inspect the underside of the vehicle and areas near the exhaust system after driving through tall grass, weeds, brush, and other tall ground cover. Promptly remove any grass or debris clinging to the vehicle.

OPERATING A DAMAGED VEHICLE

⚠ WARNING

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

OPERATING IN UNFAMILIAR TERRAIN

⚠ WARNING

- Failure to use extra caution when operating on unfamiliar terrain could result in an accident or rollover.
- Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or rollover.
- Travel slowly and use extra caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.

IMPROPER HILL CLIMBING

⚠ WARNING

Improper hill climbing could cause loss of control or rollover. Use extreme caution when operating on hills. Always follow proper procedures for hill climbing as described in this owner's manual. See the New Operator Driving Procedures section for details.

DESCENDING HILLS IMPROPERLY

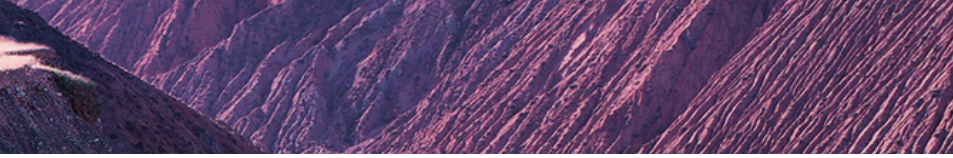
⚠ WARNING

Improperly descending a hill could cause loss of control or rollover. Always follow proper procedures for traveling down hills as described in this owner's manual.

SKIDDING AND SLIDING

⚠ WARNING

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



VEHICLE DEVICE

VEHICLE ACTIVATION.....32
UNLOCK VEHICLE 33
APP FUNCTION 34
PARTS AND CONTROL.....35
HANDLEBAR SWITCH 36
IGNITION LOCK 37
LEFT HANDLE SWITCH (A)..... 38
LEFT HANDLE SWITCH (B)..... 39
WINCH SWITCH (IF EQUIPPED).....41
TOGGLE SWITCH FOR TWO-WHEEL DRIVE OR FOUR-WHEEL DRIVE(NO REAR AXLE DIFFERENTIAL).....41
TOGGLE SWITCH FOR TWO-WHEEL DRIVE OR FOUR-WHEEL DRIVE(WITH REAR AXLE DIFFERENTIAL)..... 43
ACCELERATOR 45
GEAR SHIFTER OPERATION 46
PARKING BRAKE 47
PARKING BRAKE LEVER FREE CLEARANCE..... 48
FOOT BRAKE..... 49
AUXILIARY BRAKE..... 50
INSTRUMENT PARTS 51
INSTRUMENT INDICATOR LIGHT/WARNING LIGHT.....51
SCREEN FUNCTION SETTING 56
EQUIPMENT COMPONENT 57
FUEL TANK CAP.....57
STANDBY POWER OUTPUT SEAT..... 58
STORAGE BOX..... 59
HANDLEBAR ADJUSTMENT..... 60
ELECTRONIC POWER STEERING（EPS） 61

VEHICLE ACTIVATION

This vehicle is equipped with vehicle T-BOX system for you. T-BOX is used to communicate with background system and mobile APP, so as to obtain vehicle information and control the vehicle with mobile APP. This is an optional system. In order to make you quickly familiar with and use the system, please read the user's manual carefully, understand the relevant operation and use information.

NOTICE

If equipped with T-BOX, The new vehicle must be activated by binding the Segway Mobility APP before the first time use. If the T-Box is not activated, the vehicle speed will be limited to 30Km/h.

Please download the APP from the “Apple® App Store®” or “Google Play® store” in your mobile phone before you try to activate the Vehicle by the APP in the first time. Please search “**Segway Mobility”** in the “Apple® App Store®” or “Google Play® store” in your mobile phone then download the APP as usual.

After the successful installation of the APP, the vehicle will be registered and activated. First, find the VIN code on the vehicle and register on the APP. The registration procedure is as follows:

1. Power on the vehicle with the mechanical key.

Input or scan vehicle VIN code according to APP registration prompts, and step on the vehicle brake at the same time. The VIN barcode is located under the seat cushion. Note: The vehicle identification code may not be scanned due to the influence of light. You can try to enter the VIN code manually. The vehicle VIN code is either on the vehicle frame (see Page 160) or on the vehicle nameplate (see Page 161).

2. Click the “**CONFIRM**” button to complete the vehicle binding operation.
3. Click “**START**” to start the vehicle.

UNLOCK VEHICLE

There are three ways to unlock a vehicle:

1. Mechanical key (preferred).
2. APP remote unlock vehicle

APP Remote Unlock is based on 4G network. As long as the area is covered by the network, you can use the remote unlock function in the APP to power the vehicle.

3. APP Bluetooth unlock vehicle

When both the vehicle and the mobile phone are on, within the effective connection distance of the Bluetooth signal, the vehicle Bluetooth module will automatically unlock the vehicle after acquiring the mobile phone Bluetooth signal, and automatically lock the vehicle when the mobile phone is far away.

NOTICE

After using the mechanical key to power down, the vehicle cannot be unlocked by induction to power up again. It needs to disconnect the reconnection and close the unlock to restart.

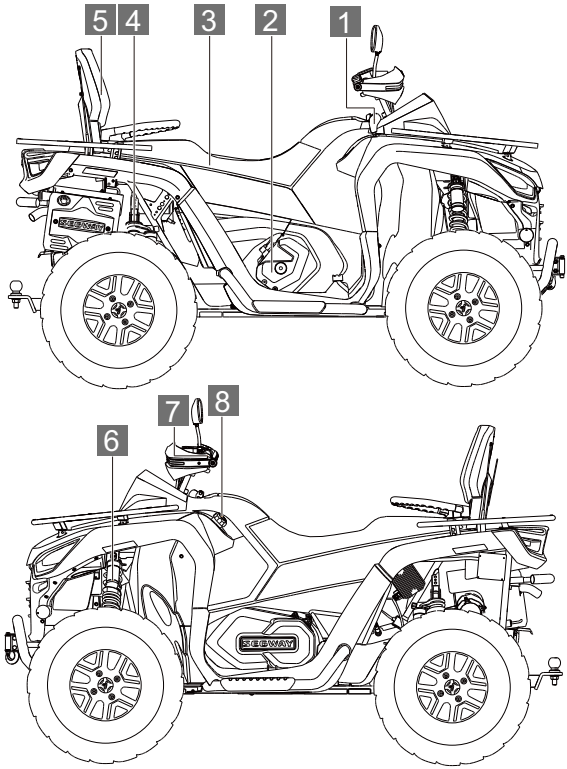
Mechanical key unlock is the optimal unlock method for vehicles. If you do not want to use the sensor unlock function, the sensor unlock setting can be turned off in the APP.

APP FUNCTION

This app is a program designed for users who have the Segway vehicle.

Main features: driving control analysis, vehicle data analysis, etc.

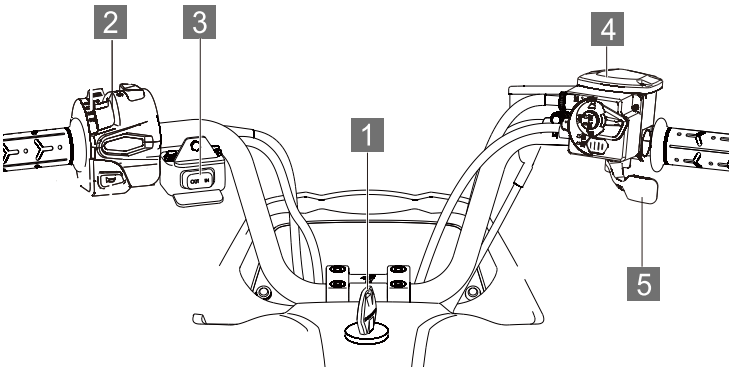
PARTS AND CONTROL



1 Shift Level	2 Engine	3 Cushion
4 Rear Absorber	5 Backrest	6 Front Absorber
7 Handlebar Switch	8 Oil filler	

VEHICLE DEVICE

HANDLEBAR SWITCH



1 **Ignition Lock**

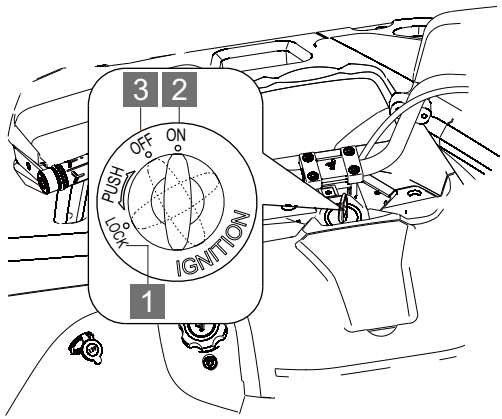
2 **Left handle Switch**

3 **Winch Switch**

4 **2/4 WD Switch**

5 **Accelerator**

IGNITION LOCK



1 **Steering Lock** 2 **Power On** 3 **Power Off**

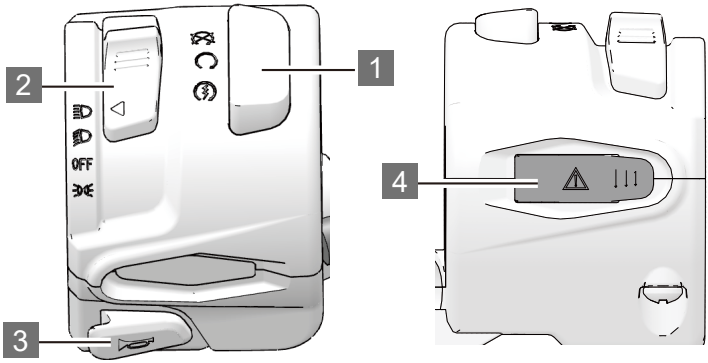
The ignition lock is located in the central zone of the handlebars.

Turn the key to position " LOCK ": Lock the rotation direction of the vehicle, so that the vehicle direction is in a fixed position.

Turn the key to position " ON " : Vehicle is powered on, the vehicle's electrical components can be used.

Turn the key to position " OFF " : Vehicle is powered off, when the switch is in the off position, the key can be removed from the switch.

LEFT HANDLE SWITCH (A)



1 Engine start/stop switch

"○": Engine power on "⊠": Engine stop "⚡": Engine start

Start the engine

1. Turn the ignition key to the "ON" position.
2. Push down on the foot brake.
3. Press the engine start-stop switch to the "⚡ " position and release it, the engine will start, and the switch will automatically return to the " ○" position.

Stop engine

Press the engine start-stop switch to the "⊠" position, the engine stops.

2 Headlight switch

This switch is located in the left handle switch. The corresponding position corresponds to different light modes.

High beam mode " ≡D ": Turn on the vehicle high beam mode and the "≡D" sign on the instrument will be lit.

Low beam mode " ": Turn on the vehicle low beam mode in the light switch.

"OFF": Light off mode

Position light mode " ": Position light mode: Turn on the vehicle position light, and the " " sign on the instrument is lit.

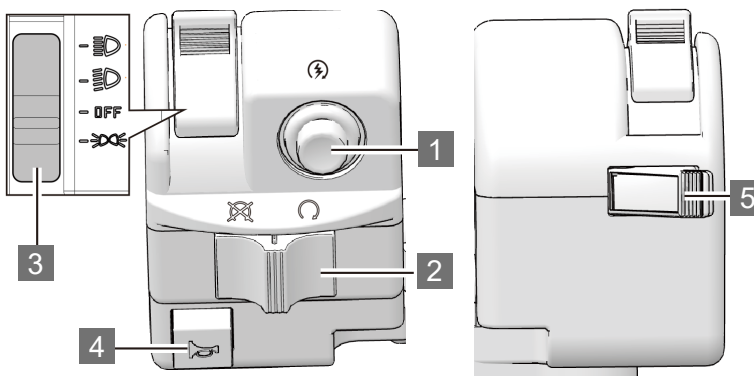
When the ignition lock is in the "ON" position, push the switch to the desired mode position, and to turn OFF the light, push the switch to the" OFF "position.

3 **Horn Switch** " " .

4 **Force-multiplier switch**

When the vehicle is in 4WD locked (instrument shows 4WD locked symbol "", see page 41), the vehicle speed is limited to 30km/h, at this time. If the vehicle has insufficient power because of the terrain conditions, press this switch, and the vehicle will lift the speed limit and enhance the power and to help you out of trouble.

LEFT HANDLE SWITCH (B)



1 Engine start button (Green)

2 Engine stop button (Red)

Start the vehicle

1. Push down on foot brake.

Turn the ignition key into " ON " position.

2. Press the engine start button (green), the engine starts.

Stop the vehicle

Switch Slide to the left “ ”， stop the engine.

3 Headlight switch

This switch is located in the light switch. The corresponding position corresponds to different light modes.

High beam mode" " :Turn on the vehicle high beam mode and the " " sign on the instrument will be lit.

Low beam mode

Turn on the vehicle low beam mode in the light switch.

Light off mode

Position light mode " " : Position light mode: Turn on the vehicle position light, and the " " sign on the instrument is lit.

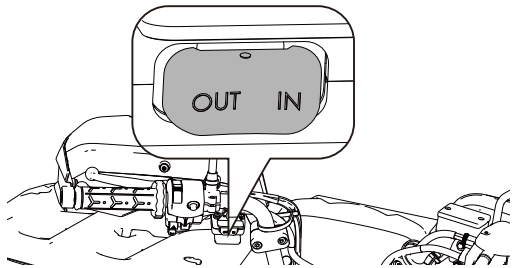
When the ignition lock is in the "ON" position, push the switch to the desired mode position, and to turn OFF the light, push the switch to the" OFF "position.

4 Horn Switch “ ”

5 Force-multiplier switch

When the vehicle is in 4WD locked (instrument shows 4WD locked symbol “ ”, see page 41), the vehicle speed is limited to 30km/h, at this time. If the vehicle has insufficient power because of the terrain conditions, press this switch, and the vehicle will lift the speed limit and enhance the power and to help you out of trouble.

WINCH SWITCH (IF EQUIPPED)

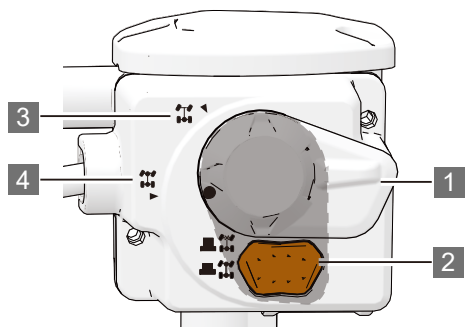


OUT：Release the capstan wire rope

IN：Retract the winch wire rope

Capstan is used to drag and drop the load, understand the correct use of capstan steps and methods, pay attention to the use of safety matters, please refer to the capstan instructions and matters needing attention(see page 84).

TOGGLE SWITCH FOR TWO-WHEEL DRIVE OR FOUR-WHEEL DRIVE(NO REAR AXLE DIFFERENTIAL)



1 Drive mode selection handle
2 Front axle differential lock button
3 Two-wheel drive position
4 Four-wheel drive position

NOTICE

The vehicle must be stopped to engage or disengage 2WD/4WD switch. Mechanical damage may occur if switch is engaged or disengaged while driving.

2×4 two-wheel drive mode

Rotate the selector handle downwards, and the two-wheel drive mode is turned on at this time, the whole vehicle is only driven by the rear wheels, and the front wheels have no power output. The second drive symbol "" is displayed on the instrument.

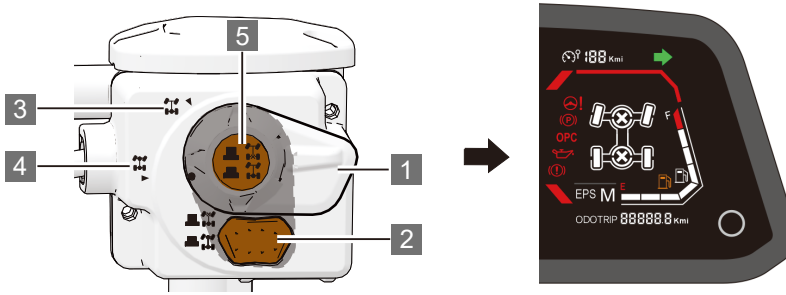
4×4 four-wheel drive mode

Rotate the selection handle upwards, at this time the four-wheel drive mode is turned on, the front wheels have power output, and the rear wheels have power output. The four-wheel drive symbol "" is displayed on the instrument. This mode is suitable for bad road conditions such as muddy and mountainous areas.

Front axle lock mode

Rotate the selector handle to the top, and the front axle lock switch will pop up, and the front axle lock symbol "" will be displayed on the instrument. At this time, it is working in the 4-wheel drive lock state, and the front wheels have power output, and the rear wheels have power output. The tires on both sides output the same speed and power. When the 4WD is locked, the vehicle will be in the speed limit state, and the speed does not exceed 30km/h. This mode is suitable for the vehicle to get out of trouble.

TOGGLE SWITCH FOR TWO-WHEEL DRIVE OR FOUR-WHEEL DRIVE(WITH REAR AXLE DIFFERENTIAL)



1 **Drive mode selection handle**
2 **Front axle differential lock button**
3 **Two-wheel drive position**
4 **Four-wheel drive position**
5 **Rear axle differential lock button**

NOTICE

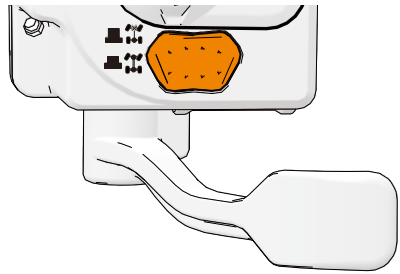
The vehicle must be stopped to engage or disengage 2WD/4WD switch. Mechanical damage may occur if switch is engaged or disengaged while driving.

Button operation	Instrument indicator light	Model	Mode Status Description
Rear axle differential mode			
Rotate the selection handle to the " ◥ " position Rear axle differential lock button " " press		2×4 two-wheel drive mode	At this time, the two-wheel drive mode is turned on, and the whole vehicle is only driven by the rear wheels, and the front wheels have no power output. This mode is suitable for driving on smooth roads.

Rotate the selection handle to the " ► " position Rear axle differential lock button " " press		4×4 four-wheel drive mode	At this time, the four-wheel drive mode is turned on, the front wheels have power output, and the rear wheels have power output. This mode is suitable for bad road conditions such as muddy and mountainous areas.
Front axle differential lock button " " pops up Rear axle differential lock button " " press		Front axle lock mode	At this time, the vehicle is working in 4WD lock state, the front wheels have power output, the rear wheels have power output, the front wheels of the left and right tires output the same speed and power. Vehicle in 4WD locking state will be in a speed-limited state, the vehicle speed does not exceed 30km/h, this mode is suitable for the vehicle to get out of trouble.
Rear axle lock mode			
Rotate the selection handle to the " ◄ " position Rear axle differential lock button " " pops up		2×4 two-wheel drive mode	At this time, the two-wheel drive mode is turned on, and the whole vehicle is only driven by the rear wheels, and the front wheels have no power output. This mode is suitable for driving on smooth roads.
Rotate the selection handle to the " ► " position Rear axle differential lock button " " pops up		4×4 four-wheel drive mode	At this time, the four-wheel drive mode is turned on, the front wheels have power output, and the rear wheels have power output. This mode is suitable for bad road conditions such as muddy and mountainous areas.
Front axle differential lock button " " pops up Rear axle differential lock button " " pops up		4×4 rear axle lock mode	At this time, it works in the 4-wheel drive locked state, the front wheels have power output, the rear wheels have power output, and the tires on the left and right sides of the front and rear wheels output the same speed and power. the vehicle will be in the speed limit state when the 4-wheel drive is locked, and the speed does not exceed 30km/h. This mode is suitable for the vehicle to get out of trouble.

ACCELERATOR

Accelerator controls engine speed to increase the engine speed. Use your thumb to press the Accelerator to increase the engine speed. Accelerator pressure is released when you release the thumb, the engine goes back to idle.



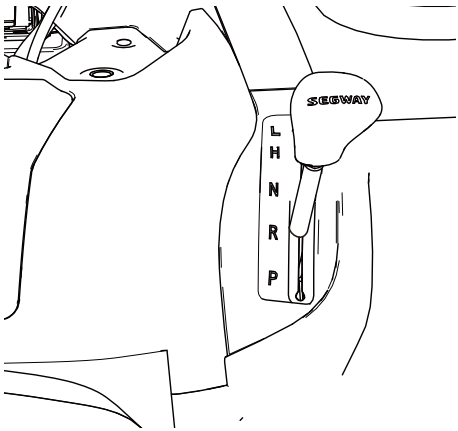
Accelerator

⚠ WARNING

Check whether the accelerator is normal before driving. If the accelerator is stuck or not working properly, it may cause an accident. If the accelerator is stuck or not working properly, DO NOT start or drive the vehicle.

GEAR SHIFTER OPERATION

Different operation modes correspond to different gears. After selecting the gear, check the indicator light on the instrument panel to ensure that the gear has been switched to the desired position. See the table below for the tab position description:



L **Low speed**

H **High speed**

N **Neutral**

R **Reverse**

P **Parking**

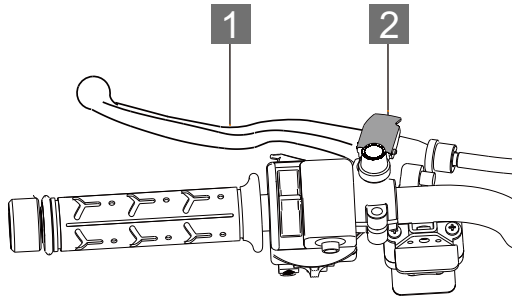
NOTICE

You need to step on the brake pedal when you change the gear.

If you change the gear when the engine is in idle speed or the vehicle is moving, it can cause transmission damage. Please place the transmission in parking gear and lock the parking brake before getting off ATV.

PARKING BRAKE

The parking brake is on the left-hand handle.



1 **Parking brake lever** 2 **Parking brake lock**

Using parking brake:

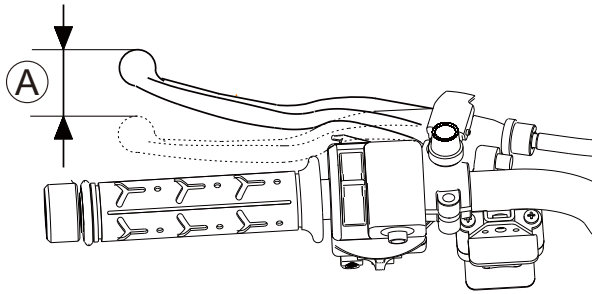
Place the shifter in "P" and squeeze the parking brake lever and hold.

Press the parking brake lock downward. After hearing the "click" sound, the brake will be locked in place.

Release parking brake lever:

Squeeze the parking brake lever and the brake lock will automatically spring open. Then release the brake lever and the lock will be released.

PARKING BRAKE LEVER FREE CLEARANCE



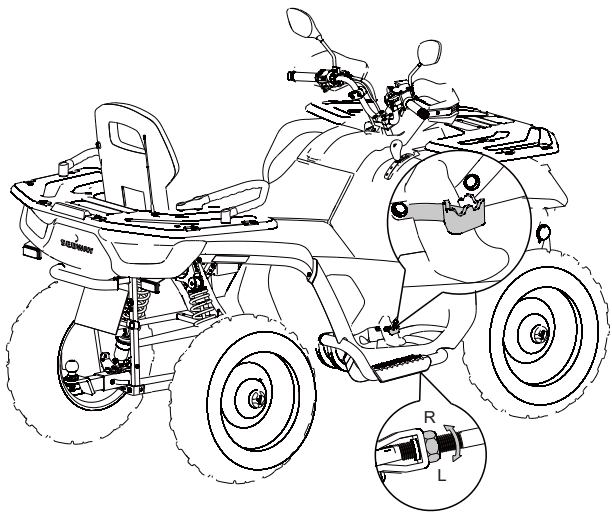
Parking Brake Check

1. Hold the parking brake lever firmly, squeeze and release. Repeat several times and the parking brake lever should not be stuck.
2. Measure the distance the parking brake lever moves before the brake is maintained. Free stroke (measure tip of brake lever end) shall be: Ⓐ 11-13/16 in. (25-30mm).
3. Adjust to the specified scope if necessary.

FOOT BRAKE

The foot brake is the main brake system of the vehicle. The foot brake controls both front and rear brakes. The main brake is located on the right foot plate of the vehicle. When the vehicle needs to slow down or stop, step on the foot brake slowly. Emergency braking can make the vehicle skid or roll over, so do not use emergency braking when it is not necessary.

Foot brake lever adjustment



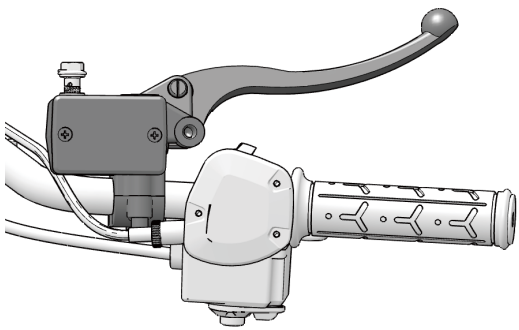
The foot brake lever adjusting nut is located at the bottom of the vehicle near the foot brake lever. The stroke height of the foot brake lever can be adjusted by twisting the foot brake lever nut.

- Turn nut in R direction and foot brake lever down.
- Turn nut in L direction, foot brake lever up.

AUXILIARY BRAKE

Auxiliary braking system refers to the backup device used as the main braking system. If the main brake system fails, use the auxiliary brake.

The auxiliary brake is located on your right handle. Use the auxiliary brake to brake the front wheels of the vehicle. If the rear wheels slide while using the auxiliary brakes, the brake lever pressure is reduced to prevent the rear wheels from slipping while braking.



⚠ WARNING

Use the auxiliary brake carefully when going downhill. The use of the auxiliary brake can make the vehicle tip over frontwards which may result in serious injury or death.

INSTRUMENT PARTS

The instrument provides the operator with the vehicle running parameter information, and the driver should understand the meaning of various indicators, warning lights and display content information on the instrument display, so as to timely understand the vehicle status.

NOTICE

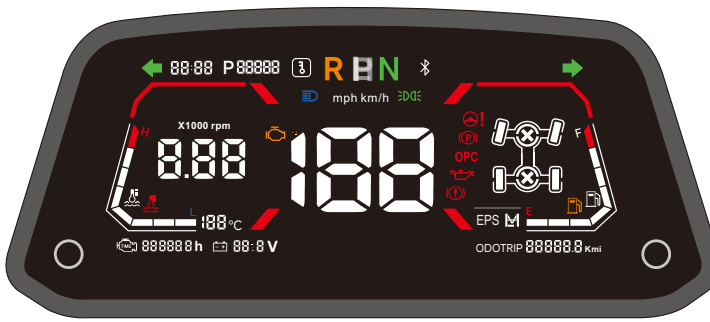
The combination instrument may be damaged by using a high pressure cleaner. Do not clean the instrument with alcohol or corrosive detergent. Corrosive liquid will corrode the surface of the instrument and cause damage to the instrument.

NOTICE

The display may vary depending on the vehicle configuration, please refer to the actual vehicle for accuracy.

INSTRUMENT INDICATOR LIGHT/WARNING LIGHT

Indicator lights and warning lights on the instrument indicate the status of the vehicle's systems. The figure below shows all the lights and warning lights to illustrate.



Indicator light/warning indication

Item	Legend	Functional specifications
Left Turn Signal		This light is lit when the left turn signal is turned on.
High Beam		This lamp illuminates when the headlamp switch is set to high beam.
Driving Lights		The front light, tail light, license plate light and instrument panel light are on.
Check Engine		This indicator appears if an EFI-related fault occurs. Do not operate the vehicle if this warning appears. Serious engine damage could result.
Oil Pressure Warning		This light is on when oil pressure is too low.
Warning for leave	OPC	This light is on after leaving the seat and the buzzer will beep when OPC is on.
Right Turn Signal		This light is lit when the right turn signal is turned on.
Neutral	N	This light is on when the gear shifter is in neutral (green).
Parking		This light is on after parking brake is applied.
Brake warning light		• Low brake fluid level • The braking system is faulty

Item	Legend	Functional specifications
Electric steering warning light		Indicates a failure in EPS system (optional equipment, if equipped).
Coolant temperature warning lamp		Indicator light showing excessive temperature of engine coolant. When it lights up and alarms, the engine should be stopped immediately and shut down. After cooling down to normal temperature, the engine should continue to run.
Coolant temperature indicator		Display current coolant temperature H -High temperature C -Low temperature
Fuel level		The lamp lights up when the fuel level is too low.
Fuel meter		Display the current amount of fuel F -High fuel volume E -Fuel volume low
Bluetooth		When mobile Buuetooth and T-BOX are connected successfully and the light will be on.
Remote access to electricity		The APP in the mobile phone, Click the "remote power on" button and the light will be on. (The premise is that T-BOX networking is successful)

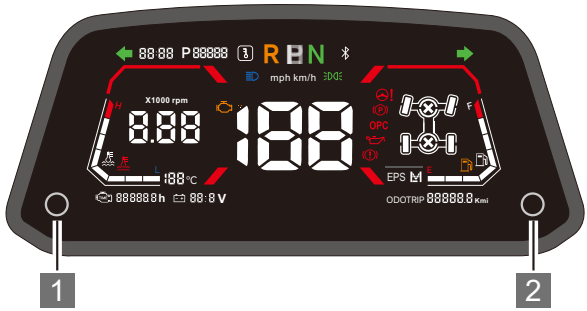
VEHICLE DEVICE

Item	Legend	Functional specifications
Speed		Display the actual vehicle speed The speedometer shows a speed of MPH (mile) or km/h (km/h).
Gear display		Display the correct gear L -Low speed H -High speed R -Reverse P -Parking
Engine speed		Display real-time engine RPM. (Multiply the displayed value by 1000 to obtain the engine RPM.)
Four-wheel drive full differential lock		 2 x 4 patterns  4 x 4 patterns  Front axle lock mode  2×4 two-wheel drive mode  4×4 four-wheel drive mode  4×4 rear axle lock mode
Battery Voltage		Display the current voltage of the vehicle battery

Item	Legend	Functional specifications
Total mileage or subtotal mileage		Display the total mileage accumulated by the vehicle
		Single trip mileage
Fault code display		When ECU、EPS、T-BOX fails, the fault code is displayed in this area. See page 171 for detailed description of the fault code.
Engine running time		Display engine running time
EPS On (Only brushless EPS is supported)		M -Normal mode, power normal H -Comfort mode, power light L -Motion mode, booster weight

VEHICLE DEVICE

SCREEN FUNCTION SETTING



1 **Left button** 2 **Right button**

Function	Left button	Right button	Display
Brightness adjustment	Short press		Adjust backlight brightness (default: brightest)
Subtotal Clear	Long press		Zero subtotal mileage
EPS gear switching		Short press	EPS level shift signal sent
Metric or imperial units		Long press	subtotal mileage—Total mileage—Metric and imperial systemw
Clock settings (This function is not available when the vehicle has a T-BOX)	Long press	Long press	Clock hour flashing
		Short press	Hour+1
		Long press	Hour continuous+1
	Short press		Clock minute flashing
		Short press	Minute+1
		Long press	Minute continuous +1
	Short press		Exit colck settings
	Or 15 seconds without operation		

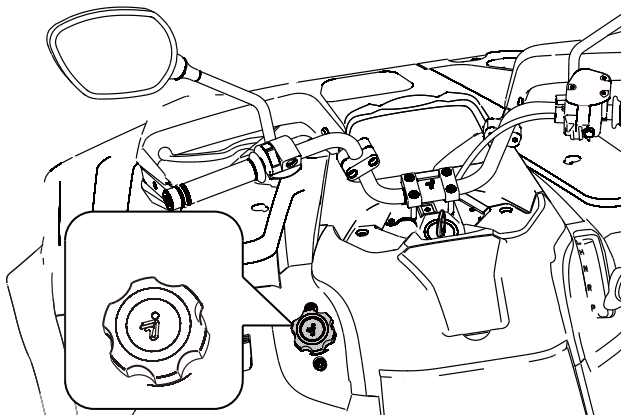
EQUIPMENT COMPONENT

FUEL TANK CAP

⚠ WARNING

Always use the fuel type specified by the vehicle. Do not smoke when filling the fuel or it may ignite the fuel and cause a fire.

Do not touch other persons or objects when fueling, as that may cause static electricity and could ignite the fuel. Do not overfill the fuel.



1. Unscrew the fuel cap clockwise.
2. Refuel the vehicle (don't overfill it).
3. Tighten the fuel tank cap counterclockwise.

VEHICLE DEVICE

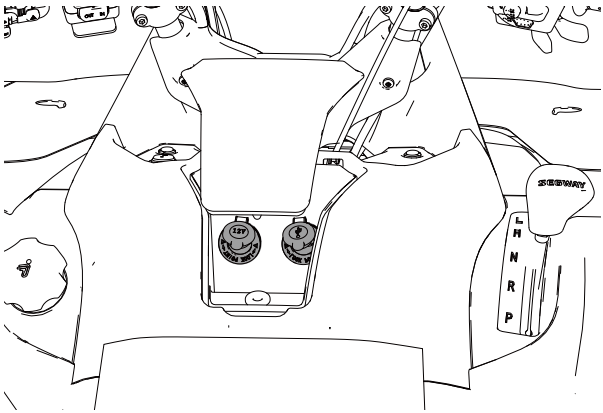
STANDBY POWER OUTPUT SEAT

Power sockets are available for 12V accessories with operating current less than 10A .

The car is equipped with two 12VDC ports.

Output power: 12V

Left: USB port Right: Cigarette lighter



Open the lid

Service conditions of power sockets:

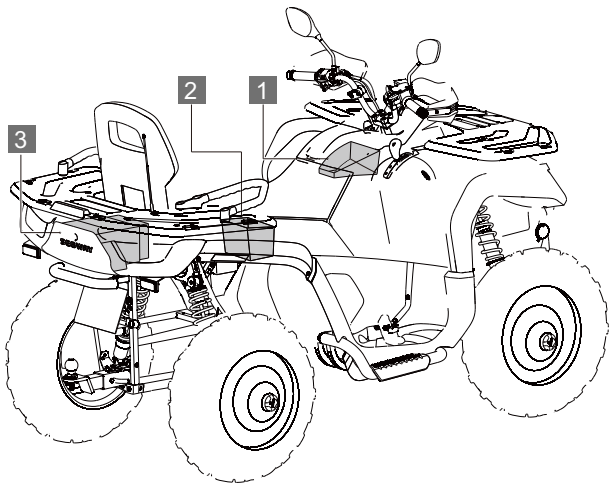
Place the ignition key in " ON " mode.

STORAGE BOX

The vehicle is equipped with three lockers.

1 Front storage box

Under the middle of the front handle of the vehicle, lift the glove compartment cover upwards. The glove compartment is in below.



2 Intermediate storage box

Under the cushion, the cushion removal operation is shown in page 98.

3 Rear storage box

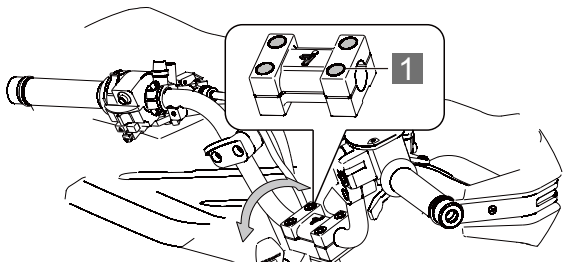
Located in the rear of the vehicle, use the ignition key lock or unlock this storage box.

HANDLEBAR ADJUSTMENT

The handlebars can be adjusted to suit the rider's angle.

⚠ WARNING

Improper adjustment of the handlebars or improper torque of tightening bolts can result in limited or loose steering, which can cause loss of control and can result in severe injury or death. Always follow the adjustment procedure, or check out the services at your dealer.



1 **M8×45 (4 PCS)**

1. Loosen the four handlebar bolts.
2. Adjust the position of the handlebar according to the rider needs.
3. Use 4 bolts to reinstall the upper aluminum cover of the handlebar onto the lower aluminum cover.
4. Pre-tighten the bolts again with a tool in diagonal position.
5. Tighten with a torque wrench to the specified torque.

Torque	Handlebar bolts: 26N.m

ELECTRONIC POWER STEERING（EPS）

When the engine is started, the electronic power steering device (if equipped) starts to work. When the key is turned to the "ON" position the EPS system is energized.

NOTICE

When the key is turned to the "ON" position, the EPS warning indicator lights up briefly. Please refer to P62.

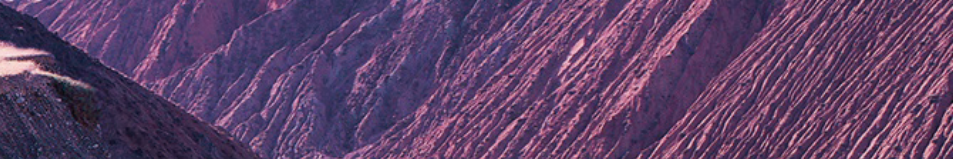
After the key switch is turned to the "OFF" position, the EPS system will be turned off.

If the EPS indicator light continues to light up after the engine is started, it means that the EPS system has failed. Please contact your Segway Powersports dealer.



OPERATION

PRE-RIDE INSPECTION **64**
INSPECTION ITEMS **65**
BASIC DRIVING GUIDE **66**
TRAIL ETIQUETTE 66
KNOW YOUR RIDING AREA/TREAD LIGHTLY 66
VEHICLE BREAK-IN PERIOD 66
BREAK-IN PROCEDURE FOR BRAKING SYSTEM 66
CLUTCH/BELT 67
NEW OPERATOR DRIVING PROCEDURES 67
STARTING THE VEHICLE 67
PARK THE VEHICLE 68
TURNING THE VEHICLE 68
DRIVING IN REVERSE 69
TURNING AROUND ON A HILL (K-TURN) 69
DRIVING ON SLIPPERY SURFACES 70
DRIVING THROUGH WATER 70
DRIVING OVER OBSTACLES 72
DRIVING UPHILL 73
DRIVING DOWNHILL 74
DRIVING ON A SIDEHILL 75
PARKING ON AN INCLINE 76
BRAKING 76
PARKING THE VEHICLE 77
BREAK-IN GUIDELINES 78



OPERATION

LOAD LIMITS & GUIDELINES 79
MAXIMUM LOADING CAPACITY..... 80
LOADING GUIDELINES..... 81
TRAILER(IF EQUIPPED)..... 81
WINCH OPERATION 84

OPERATION

This section provides basic operating instructions, including how to start and stop the vehicle, driving skills and precautions when driving on different terrain.

Even if you've ridden other ATVs, you must take time to familiarize yourself with how the vehicle operates. Practice in flat and wide areas until you are familiar with this all-terrain vehicle.

⚠ WARNING

Failure to inspect and verify that the vehicle is in safe operating condition before operating increases the risk of an accident. Always perform the pre-riding Inspection outlined in the Operation chapter before use of your vehicle to make sure it's in safe operating conditions. Always follow the inspection and maintenance procedures and schedules described in this owner's manual. See the Periodic Maintenance section in the Maintenance chapter.

PRE-RIDE INSPECTION

Perform a pre-ride inspection before each ride to detect any potential problem that could occur during operation. The pre-ride inspection can help you monitor component wear and deterioration before they become a problem.

Always Inspect:

- Steering - Ensure tires turn appropriately when handlebars are turned
- Front/Rear suspension - Ensure all suspension components are properly secured and not damaged
- Tires/Wheels/Fasteners - Ensure tires/wheels are not damaged and all fasteners are properly secured
- Brake Fluid Level - Make sure brake fluid level is appropriate and add brake fluid as needed.

- Brake System - Apply all hand and foot brakes to make sure they compress appropriately and return when released
- Accelerator - Push/Release thumb throttle several times to ensure throttle is returning when released
- Engine Fluid Level - Ensure all engine fluids are at an appropriate level

Correct any problem that you discover to reduce the risk of a breakdown or crash.

INSPECTION ITEMS

Project	Explanation	Page
Brake system / Lever stroke	Ensure correct operation	P47~P49
Brake Fluid	Ensure proper level	P116~P117
Auxiliary brake	Ensure correct operation	P50
Front suspension	Check, lubricate if necessary	P127
Rear suspension	Check, lubricate if necessary	P127
Tires	Check status and air pressure	P119
Wheel/Lug Nuts	Check, ensure fasteners airtightness	P121
Fuel Level	Ensure proper level	P57
Coolant	Ensure proper level	P113~P114
Indicator light	Ensure display status	P51~P55
Switches	Ensure operation	P37
Engine switch	Ensure correct operation	P38
Headlights	Check operation	P38
Brake light/tail light	Check operation	P38
Riding equipment	Wear approved helmets, care and protective clothing	P20
Trailer(optional equipment)	Check cable and interchanger	——

BASIC DRIVING GUIDE

TRAIL ETIQUETTE

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

KNOW YOUR RIDING AREA/TREAD LIGHTLY

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

Find out where the designated riding areas are by contacting your dealer, a local riding club or local officials. Help keep our trails open for recreational vehicle use.

VEHICLE BREAK-IN PERIOD

Your vehicle's break-in period is the first 25 hours of operation or the riding through two full tanks of gasoline. It’s important to ensure the proper break-in period is met. Careful handling of new engine and drive components will improve the performance and service life of these components. Follow these steps carefully.

BREAK-IN PROCEDURE FOR BRAKING SYSTEM

In order to achieve the best brake performance of the new vehicle the brakes must be broken in properly.

Heavy or excessive braking when using the new braking system may damage the brake pad and disc.

CLUTCH/BELT

Proper run-in of the clutch and driving belt will ensure longer service life and better performance. Run the run-in clutch and belt at low speeds for the recommended run-in time by only pulling light loads. Avoid violent acceleration and high speed running during run-in period. If the belt is broken, be sure to clean up the intake and outlet pipeline and any debris from the clutch and engine compartment during belt replacement.

NEW OPERATOR DRIVING PROCEDURES

1. Wear protective riding gear. See the Safe Riding Gear section.
2. Perform the pre-ride inspection.
3. Place the transmission in Parking gear.
4. Mount the vehicle from the left side.
5. Sit upright with both feet on the footrests and both hands on the handlebars.
6. Start the engine to warm up.
7. Drive slowly. Practice maneuvers and use the throttle and brakes on level surfaces.

STARTING THE VEHICLE

1. Step forcefully on the foot brake.
2. Turn the ignition switch key to the " ON " position (P. 38).
3. Press the engine start button to start the engine. (P. 39)
4. The vehicle is started.

OPERATION

PARK THE VEHICLE

1. Step on the foot brake and set the shifter to the "P" position.
2. Press the engine stop button to stop the engine (P. 39) .
3. Turn the key to the " OFF " position (P. 38) and the key can be taken out of the switch.
4. Lock the handle parking brake lever (P. 49).

TURNING THE VEHICLE

Both rear wheels drive equally at all times. This means that the outside wheel must travel a greater distance than the inside wheel when turning.

1. Slow down.
2. Steer in the direction of the turn.
3. Keep both feet on the footrests.
4. Lean your upper body to the inside of the turn while supporting your weight on the outer footrest. This technique alters the balance of traction between the rear wheels, allowing the turn to be made smoothly. The same leaning technique should be used for turning in reverse.
5. Practice making turns at slow speeds before attempting to turn at a faster speed.

⚠ WARNING

Turning improperly can result in vehicle overturn.

Never turn abruptly or at sharp angles. Never turn at high speeds. Never turn quickly when carrying cargo.

DRIVING IN REVERSE

If you need to ride in reverse, make sure the area behind you is clear and only operate the ATV at low speed.

Do not use the override switch unless additional wheel speed is required for vehicle movement. Use the override with caution as rearward vehicle speed is greatly increased. Do not operate at wide open throttle. Operate the throttle just enough to maintain a desired speed.

To reverse, follow the following procedure：

1. Always check for obstacles or people behind the vehicle，be sure there are no obstacles or people in the way.
2. Press the brake to change the shifter to "R".

TURNING AROUND ON A HILL (K-TURN)

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

1. Stop and lock the parking brake while keeping body weight uphill.
2. Leave the transmission in forward and shut off the engine.
3. Dismount on the uphill side of the vehicle, or on the left if the vehicle is pointing straight uphill. Staying uphill of the vehicle, turn the handlebars full left.
4. While holding the brake lever, release the parking brake lock and slowly allow the vehicle to roll around to your right until it's pointing across the hill or slightly downwards.
5. Lock the parking brake. Remount the vehicle from the uphill side, keeping body weight uphill. Start the engine with the transmission still in forward.
6. Keep the transmission in forward and start the engine.

7. Release the parking brake and proceed slowly, control speed with the brake lever, until the vehicle is on flat ground.

DRIVING ON SLIPPERY SURFACES

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

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

NOTICE

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

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

DRIVING THROUGH WATER

Your ATV can operate through water with a maximum recommended depth equal to the bottom of the footrests. Follow these procedures when operating through water:



⚠ CAUTION

Major engine damage can result if the vehicle is not thoroughly inspected after operation in water. Perform the services outlined in the Periodic Maintenance Chart. The following areas need special attention: engine oil, transmission oil, demand drive fluid and all grease fittings. If the vehicle tips or overturns in water, or if the engine stops during or after operating in water, service is required before starting the engine. Your dealer can provide this service. If it's impossible to bring the vehicle in before starting the engine, perform the service outlined in the Vehicle Immersion section of this manual, and take the vehicle in for service at the first opportunity.

1. Determine water depths and current before entering water.
2. Choose a crossing where both banks have gradual inclines.
3. Avoid operating through deep or fast-flowing water.
4. After leaving water, test the brakes. Apply them lightly several times while driving slowly. The friction will help dry out the pads. If it’s unavoidable to enter water deeper than the footrest level:

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

DRIVING OVER OBSTACLES

Follow these precautions when operating over obstacles:

1. Before operating in a new area, check for obstacles.
2. Watch out for bumps, potholes and other obstacles in the terrain.
3. When you approach any obstacle, reduce your speed and be prepared to stop.
4. Never try to ride over large obstacles, such as large rocks or fallen logs.
5. Always have a passenger dismount before operating over an obstacle that could cause a fall from the vehicle or vehicle tip over.



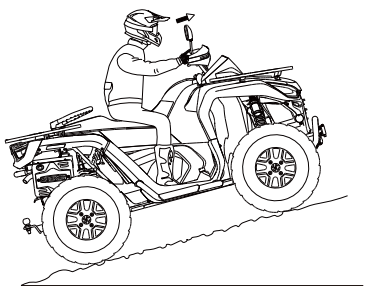
DRIVING UPHILL

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

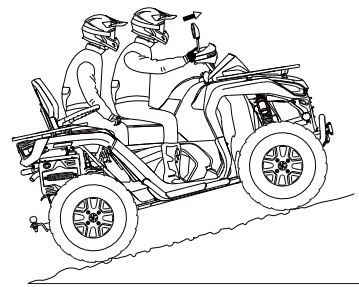
1. Drive straight uphill.
2. Avoid steep hills.

Maximum incline is:

- 15° (2–Up Models)
- 25° (1–Up Models)



1-UP **Models**：25°



2-UP **Models**：15°

3. Always check the terrain carefully before ascending any hill.
4. Never climb hills with excessively slippery or loose surfaces.
5. Keep both feet on the footrests.
6. Shift body weight uphill. A passenger should also shift body weight uphill.
7. Proceed at a steady rate of speed and throttle opening. Opening the throttle suddenly could cause the ATV to flip over backwards.

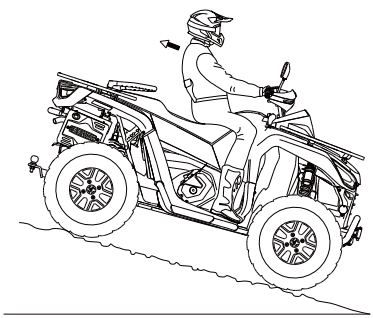
DRIVING DOWNHILL

When driving downhill, follow these precautions:

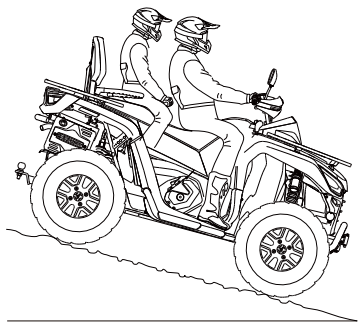
1. Avoid steep hills.

Maximum incline is:

- 15° (2–Up Models)
- 25° (1–Up Models)



1-UP **Models**：25°



2-UP **Models**：15°

2. Always check the terrain carefully before descending a hill.
3. Always descend a hill with the transmission in forward gear. Do not descend a hill with the transmission in neutral.
4. Slow down. Never travel down a hill at high speed.
5. Drive straight downhill. Avoid traveling down a hill at an angle, which would cause the vehicle to lean sharply to one side.
6. Shift body weight uphill. A passenger should also shift body weight uphill.
7. Apply the brakes slightly to aid in slowing. Applying the brakes too firmly may cause the rear wheels to lock, which could result in loss of control.

DRIVING ON A SIDEHILL

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

If crossing a sidehill is unavoidable, follow these precautions:

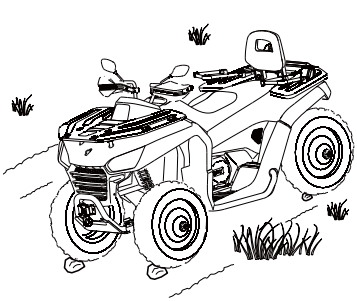
1. Slow down.
2. Avoid crossing the side of a steep hill.
3. Lean into the hill, transferring your upper body weight toward the hill while keeping your feet on the footrests.

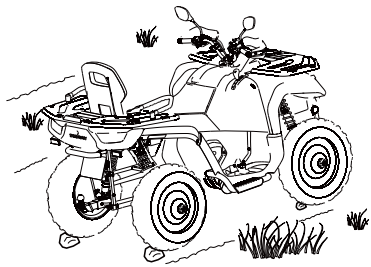


4. If the vehicle begins to tip, quickly turn the front wheel downhill, if possible, or dismount on the uphill side immediately!

PARKING ON AN INCLINE

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

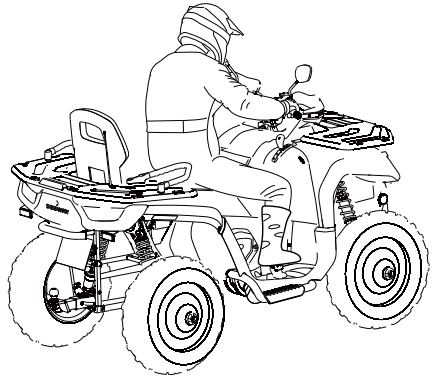




1. Stop the engine.
2. Place the transmission in PARK.
3. Lock the parking brake.
4. Always block the rear wheels on the downhill side.

BRAKING

1. Release the throttle pedal completely. (When the throttle pedal is released completely and engine speed slows to near idle, the vehicle has no engine braking.)
2. Press on the brake pedal evenly and firmly. Practice starting and stopping (using the brakes) until you're familiar with the controls.



PARKING THE VEHICLE

1. Stop the vehicle on a level surface. When parking inside a garage or other structures, be sure that the structure is well ventilated and that the vehicle is not close to any source of flame or sparks, including any appliance with pilot lights.
2. Place the transmission in PARK.
3. Turn the engine off.
4. Engage the parking brake (if equipped).
5. Slowly release the brake pedal and make sure the transmission is in PARK before exiting the vehicle.
6. Remove the ignition key to prevent unauthorized use.

BREAK-IN GUIDELINES

The engine needs 10 working hours or a 186 mi (300km) break-in period.

During break-in:

- Avoid full throttle operation.
- Avoid pressing the accelerator pedal for more than 3/4 stroke.
- Avoid continuous acceleration.

The brake needs a 124 mi (200km) run-in period.

New brakes will not operate at their maximum efficiency until the run-in period is over. Brake performance may be compromised, so be careful.

NOTICE
During this period, avoid full-throttle stares, rapid acceleration and constant rpm operation.

LOAD LIMITS & GUIDELINES

The front and rear shelves of your vehicle are capable of carrying goods, and the towing device behind the vehicle can also carry the load.

Any load carried by the vehicle will affect the vehicle's operation, stability and braking distance. Do not exceed the vehicle load limit, including driver, passenger, cargo, components weight, and ball hitch assembly. It is important to be aware that the cargo may slip or fall to cause an accident.

⚠ WARNING

- **Stay clear from the area between vehicle and trailer.**
- **Reduce speed and allow greater braking distance when carrying loads.**
- **The lower the height of the loads, the better. Too much cargo on the racks can destabilize the vehicle's center of gravity and reduce driving stability.**
- **Secure all goods before operation. Unstable cargo can create unstable driving conditions, which can make the vehicle lose control.**
- **Heavy loading causes braking and control problems. Take extra care when using the brakes of a loaded vehicle. Avoid terrain or conditions that may recede downhill.**

⚠ WARNING

- **Take extra care when carrying loads beyond the edge of the racks. Stability and mobility may be adversely affected, causing the vehicle to tip over.**
- **Do not block the headlight beam when loading on the front rack.**
- **Don't drive faster than recommended speed. Vehicles should not exceed 9 MPH (15 km/h) when towing a load on a flat ground. Towing loads, turning, climbing or descending over rough terrains must not exceed a speed of 5 MPH (8 km/h).**

MAXIMUM LOADING CAPACITY

Don’t go beyond the maximum loading capacity.

Vehicle Model		Segway AT6 S Segway AT6 EPS	Segway AT6 L Segway AT6 Touring EPS
Front RACK		40KG (88 lb)	40KG (88 lb)
Rear RACK		60KG (132 lb)	60KG (132 lb)
Maximum traction	Horizontal	300KG (662 lb)	350KG (771 lb)
	Vertical	100KG (220 lb)	100KG (220 lb)

LOADING GUIDELINES

When transporting cargos, please follow below instructions:

1. Do not exceed the weight specified in the warning label and this manual.
2. Never ride with a passenger on the front or rear cargo racks.
3. Always secure loads on the rack as close to the center of the vehicle as possible. Ensure that all loads on the rack are firmly secured before driving. If the load is not secured, it could cause unexpected loss.
4. Make sure all cargo is secured before riding.
5. Avoid riding on steep slopes when carrying cargo or pulling a trailer.
6. Use low-speed gear when hauling heavy cargo.
7. When handling cargo, operate the vehicle with caution.

TRAILER(IF EQUIPPED)

The towing device is a detachable part. It can be removed from the ATV if you are not using a trailer. If you need to tow a load, please remember that the towing weight does not include the towing device.

- The combination of the weight of the rear rack and the ball hitch assembly rack shall not exceed the capacity of the rear rack.
- The total load (weight on the operator, accessories, cargo and trailer) shall not exceed the maximum capacity of the vehicle.

OPERATION

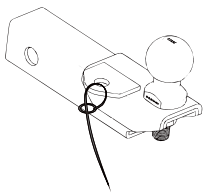
Where a designated attachment point is provided on the towbar:

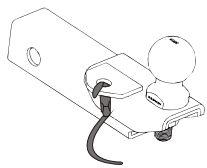
Either:

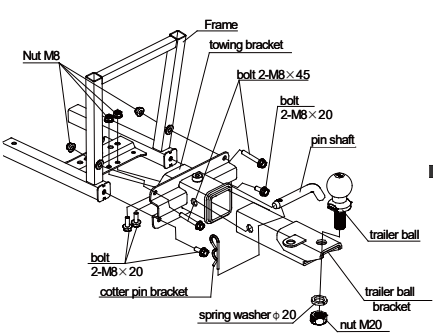
Pass the cable through the attachment point and clip it back on itself.

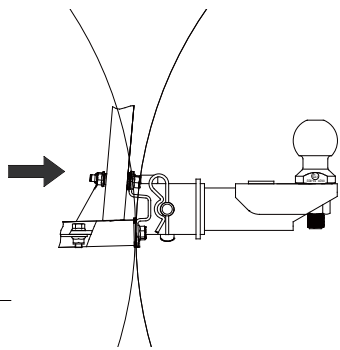
Or:

Attach the clip directly to the designated point, this alterative must be specially permitted by the trailer manufacturer since the clip may not be sufficiently strong for use in this way.









NOTICE

The speed must be less than 9 MPH (15 km/h) during towing.

Improper use of hooks or exceeding the maximum towing weight capacity may cause serious damage to your vehicle. In this case, your ATV will not be covered by warranty.

Never install vehicle accessories on the ATV. Always install accessories approved or designed for ATV use.

WINCH OPERATION

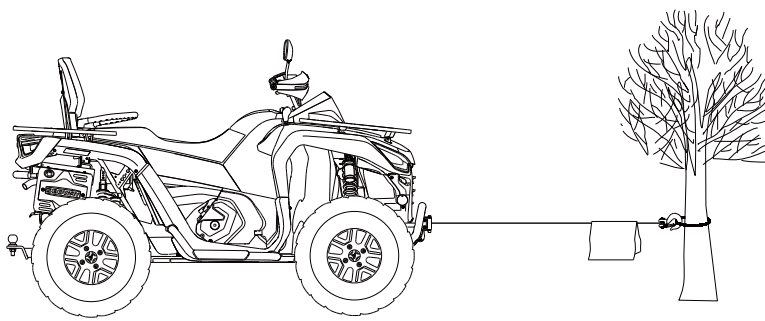
If your vehicle is equipped with a winch, please read this manual before installation and understand and be familiar with the relevant safety precautions and operating instructions.

⚠ WARNING

The user must read and understand the operating instructions and warnings of this operation manual. If the instructions or warnings are not followed, serious property damage or personal injury may occur.

- It is strictly prohibited for people under 16 years old to use this equipment.
- The user must read and understand the operating instructions and warnings of this operating manual. If the instructions or warnings are not followed, serious property damage or personal injury may occur.
- Before operation or during use, pay attention to the safety and environmental conditions within the operating range of the winch.
- Do not overload. Ensure that all equipment used meet the maximum rope pull force rating. We recommend using an optional pulley block, double rope using a pulley block double rope to reduce the load on the winch, rope and battery. When using double rope, the rated value of the pulley block should be two times the rope pull of the winch.
- Under heavy load, do not try to pull for a long time. Electric winches are only designed for intermittent use, should not be used under constant load. Do not pull for more than one minute or close to the rated load. If the winch motor feels very hot, stop winch and let it cool for a few minutes.

- **The rope end cannot bear the full load, and the rope must rotate around the object at least 5 times.**
- Avoid pulling from extreme angles, as this will cause the rope to be rolled on one end of the object and damage the rope.
- Note that rope-drawing capacity of the winch is the maximum rope-drawing capacity of the first layer, do not operate the winch with overload capacity.
- Never hook the rope back to itself, otherwise the rope will be damaged. Use trunk protection protector.
- Before operation, make sure that the winch is firmly installed on the vehicle or bracket.
- Before moving heavy objects, check the wire rope to prevent kinks and uneven wire layers. The slack rope must be properly tightened under a weight of about 200.46 pounds.
- When pulling the load, be sure to lay a blanket or protective layer on the wire rope near the hook end. This will prevent the possibility of breaking the wire rope and help prevent serious injuries and damage.



OPERATION

- **Do not move the winch to assist in hauling heavy objects. It is easy to overload and cause damage to the wire rope.**
- Pay attention to the dangerous areas and stay away from them during the operation. Dangerous areas are winch drum, fairlead, wire rope, pulley block, hook and motor.
- When the winch is under load, do not approach or cross the rope.
- When using the hoist to move the load, place the vehicle transmission in neutral and apply brake of the vehicle and plug all wheels with wedges. When the hoist is working, the vehicle engine should be operated to fully charge the battery. Never use the hoist with insufficient voltage.
- Never disconnect the power supply when there is a load on the winch.
- After operation, please release the load immediately, and do not tighten the cable.
- Always stay away from ropes, hooks and winches while using winch.
- Check winches, ropes, hooks, and broken strands of worn wires regularly. When handling the steel wire rope, please wear thick leather gloves. Do not let the steel wire rope slip over your hands. Check the steel rope before use. Crushed, pinched, worn or kinked areas seriously reduce the carrying capacity. The damaged steel wire rope should be reduce. It must be re-wound under a load of about 100 pounds.
- **The clutch should be disconnected first, and then the wire rope should be pulled by the hook of the protective lever. Do not pull the wire rope directly through the hook with your fingers.**
- Maintain the specified tension so that the cable can be wound on the reel and re-rolled after the operation tight.
- Do not operate the winch under the influence of alcohol or drugs. In operation, be vigilant during the process. If there

is a problem, you should cut off the battery immediately and check it-carefully.

- Wear goggles, insulating overalls, non-slip shoes, work caps, thick leather gloves. Place your hair tightly under the work cap and remove all jewelry.
- Do not mechanically process or melt any part of the winch.
- When the winch is in use, be sure to start the vehicle engine and set the gear position to "N" to make sure battery is charging.
- When the winch is working, the current is large, so you must start the vehicle and step on the accelerator lightly to avoid damage to the battery.
- The winch rope and the vehicle should be in a straight line. Too big an angle will change, the direction of the pulling force, thereby damaging the rope.
- If severe noise or vibration occurs during the use of the winch, it must be stopped immediately.
- When the winch is not used, please remove the controller.

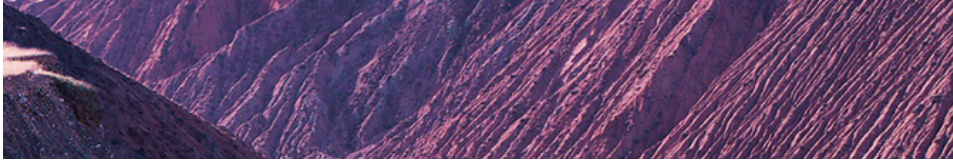
⚠ WARNING

When releasing or retrieving the winch rope, both ends of the rope must be left with sufficient length to prevent the rope from being over-rolled in or out. When the rope is retrieving, please maintain a certain tension so that the wire can be retracted smoothly and can be wound tightly during retrieving.

⚠ WARNING

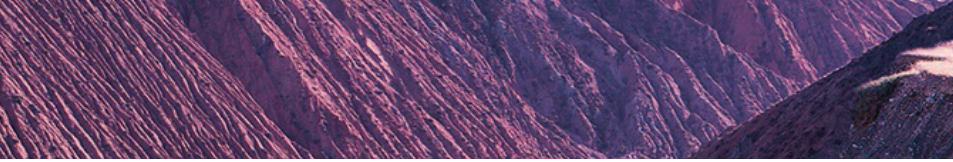
Always use the tow rope to pull the hook. Do not hold the hook with your hands. This is not only important when winding the wire rope, but also when removing the wire rope from the winch under power.





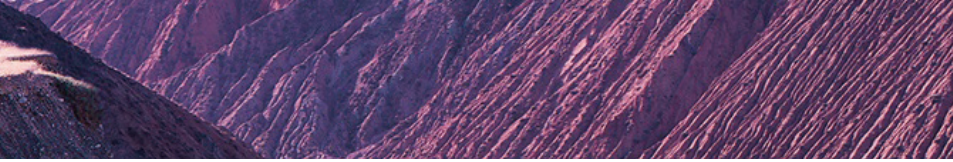
MAINTENANCE, STORAGE AND TRANSPORTATION

PERIODIC MAINTENANCE 92
MAINTENANCE CHART KEY 93
LUBRICATING OIL 97
SEAT CUSHION REMOVE 98
TANK COVER 99
REMOVE FRONT PANEL REPAIR COVER 100
REMOVE LOWER COVER OF INSTRUMENT 101
ENGINE OIL MAINTENANCE PROGRAM 102
OIL RECOMMENDATION 103
ENGINE OIL LEVEL CHECK 104
CHANGING ENGINE OIL AND FILTER 106
DRAIN THE ENGINE OIL 107
OIL STRAINER CLEAN 108
OIL FILTER CHANGE 109
FRONT/REAR GEAR BOX LIQUID 111
FRONT/REAR AXLE GEAR OIL 111
COOLANT 113
ADDING COOLANT 113
BRAKE SYSTEM 115
BRAKE OIL 116
FRONT BRAKE FLUID 117
BRAKE COMPONENT 118
TIRE 119
TIRE PRESSURE 119



MAINTENANCE, STORAGE AND TRANSPORTATION

TREAD DEPTH OF TIRE 120
REPLACE THE TIRES 121
WHEEL COMPONENT REMOVAL 121
WHEEL COMPONENT INSTALL 123
SHOCK ABSORBER ADJUSTMENT 124
OIL SHOCK ABSORBER 124
ADJUSTABLE AIR SHOCK ABSORBER 125
SUSPENSION DRIVE LUBRICATION 127
DRIVENSHAFT BOOTS 128
AIR FILTER 129
LAMP 131
CHANGE THE HEADLIGHT 131
REPLACE TAILLIGHT/REAR TURN LIGHT 134
HIGH BEAM ADJUSTMENT 134
SPARK PLUG 137
SPARK PLUG INSPECTION 138
SPARK ARRESTER 140
BATTERY 142
BATTERY DISASSEMBLY 143
BATTERY CHARGING 144
BATTERY INSTALLATION 146
FUSE 147
FUSE BOX 148
FUSE/RELAY DISTRIBUTION AND RATED AMPERAGE 149
FUSE BOX REPLACEMENT 152



MAINTENANCE, STORAGE AND TRANSPORTATION

APPEARANCE CARE 153
VEHICLE WASHING 153
CLEANING TIPS 153
VEHICLE STORAGE 154
TRANSPORTING THE ATV 154

PERIODIC MAINTENANCE

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

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

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

Maintenance intervals in the following chart are based upon average riding conditions. Vehicles subjected to severe use must be inspected and serviced more frequently.

Severe use is defined as:

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

MAINTENANCE CHART KEY

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

⚠ WARNING

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

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

PRE-RIDE MAINTENANCE

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CALENDAR	MILES (KM)	
	Steering		Pre-Ride		Visually inspect, test, or check components. Make adjustments and/ or schedule repairs when required
	Front suspension		Pre-Ride		
	Rear suspension		Pre-Ride		
	Tires/ Wheels/ fasteners		Pre-Ride		
	Brake fluid level		Pre-Ride		
	Brake system		Pre-Ride		
	Accelerator		Pre-Ride		
	Engine oil level		Pre-Ride		
	Air filter, pre-filter		Daily		Inspect. clean often. replace as needed
	Coolant		Daily		Check level
	Power steering unit (if equipped)		Daily		Inspect daily. clean often.
	Headlight/ taillight/ worklight		Daily		Check operation. apply dielectric grease if replacing lamps

BREAK-IN MAINTENANCE

	ITEM	MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CALENDAR	MILES (KM)	
	Fuel System	25 H	1 M	200 (320)	Break-in check: cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion
	Engine oil change	25 H	1 M	200 (320)	Break-in check: oil and filter change
	Front gearcase oil	25 H	1 M	200 (320)	Break-in check: oil level check
	Rear gearcase oil	25 H	1 M	200 (320)	Break-in check: oil level check

PERIODIC MAINTENANCE

Make sure to perform proper maintenance at recommended intervals as indicated in the tables. Some items of the maintenance schedule must be performed in function of the calendar, regardless of the distance or time of operation.

	ITEM	MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CALENDAR	MILES(KM)	
►	Brake pad wear	10 H	Monthly	100 (160)	Inspect periodically; replace as needed
	Battery	20 H	Monthly	200 (320)	Check terminals; clean; test
►	Air filter, main element	50H		500 (800)	Inspect; replace as needed; inspect frequently if subjected to severe use
►	General lubrication	50 H	3 M	500 (800)	Lubricate all fittings, pivots, cables, etc.
	Throttle Body Intake Duct	50 H	6 M	500 (800)	Inspect duct for proper sealing/air leaks
	Drive belt	50 H	6 M	500 (800)	Inspect; adjust; replace as needed
	Cooling system	100 H	12 M	1000 (1600)	Inspect coolant strength seasonally; pressure test system yearly
►	Engine oil change	100 H	12 M	1000 (1600)	Change the oil and filter

PERIODIC MAINTENANCE

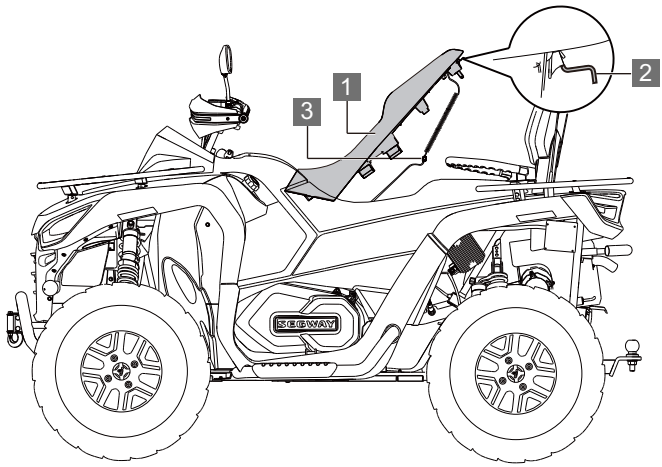
ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CALENDAR	MILES(KM)	
►	Oil lines and fasteners	100 H	12 M	1000 (1600)	Inspect for leaks and loose fittings
►	Front gearcase oil	100 H	12 M	1000 (1600)	Change fluid;
►	Rear gearcase oil	100 H	12 M	1000 (1600)	Change fluid
D	Fuel system/filter	100 H	12 M	1000 (1600)	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump; replace lines every two years
►	Radiator (if applicable)	100 H	12 M	1000 (1600)	Inspect; clean external surfaces
►	Cooling hoses (if applicable)	100 H	12 M	1000 (1600)	Inspect for leaks
►	Engine mounts	100 H	12 M	1000 (1600)	Inspect
	Exhaust muffler/ pipe / Joints	100 H	12 M	1000 (1600)	Inspect; clean; replace worn parts
D	Spark plug	100 H	12 M	1000 (1600)	Inspect; replace as needed
	Spark arrester	100 H	12 M	1000 (1600)	Clean out
D	Clutches (drive and driven)	100 H	12 M	1000 (1600)	Inspect; clean; replace worn parts
D	Front wheel bearings	100 H	12 M	1000 (1600)	Inspect; replace as needed
D	Brake fluid	200 H	24 M	2000(3200)	Change every two years
►	Coolant		60 M		Replace coolant
D	Valve clearance	500 H		5000(8000)	Inspect; adjust
	Idle speed				Adjust as needed
D	Toe adjustment				Inspect periodically; adjust when parts are replaced
	Headlight aim				Adjust as needed

LUBRICATING OIL

Check and lubricate all components at the intervals listed in the periodic maintenance chart. Items not listed in the chart should be lubricated in the general lubrication interval. The rocker arm is lubricated at the factory and does not require additional lubrication. However, if these components are heavily used, the user may perform additional lubrication as required.

Project	Recommended model	Capacity	Inspection procedure
Engine oil	SAE 10W/40 SJ or higher	2.4L (2.5 qt)	Maintain level in safe range on dipstick
Front axle gear oil	SAE 80W/90 GL-5	280mL (0.3 qt)	Drive each 2000km(1200MI) Kilometers.
Rear axle gear oil	SAE 80W/90 GL-5	220mL(0.23 qt) (No differential)	
		260mL(0.27qt) (With differential)	
Coolant	ECO BS -35 ℃ Green	——	Maintain the level between the fill lines.
Brake fluid	DOT4	——	Maintain the level between the fill lines.
Suspension, balance bar grease	Semi-synthetic waterproof grease	——	Grease nozzle (3 Pump max) per 500 mile.

SEAT CUSHION REMOVE

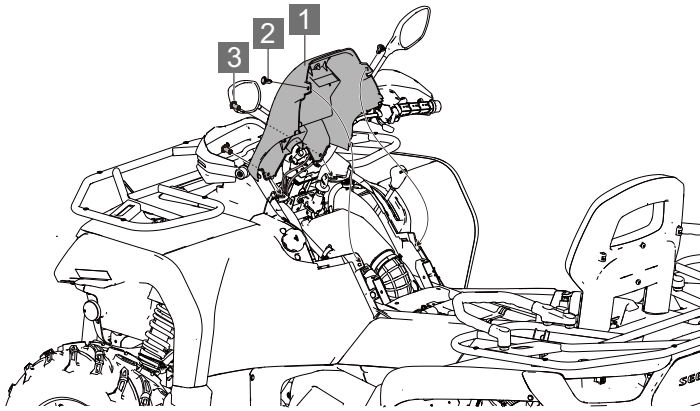


1 Cushions **2 seat hook** **3 Plug wire harness（If equipped）**

1. Hook the seat hook with your fingers and move upward.
2. Lift the seat cushion upwards after it bounces off.
3. Remove the alarm wiring harness from the seat.
4. Take a seat cushion.

NOTICE
There is wire harness connection under seat cushion. Do not push too hard when you remove the seat cushion and lift upwards in case the connector is broken.

TANK COVER

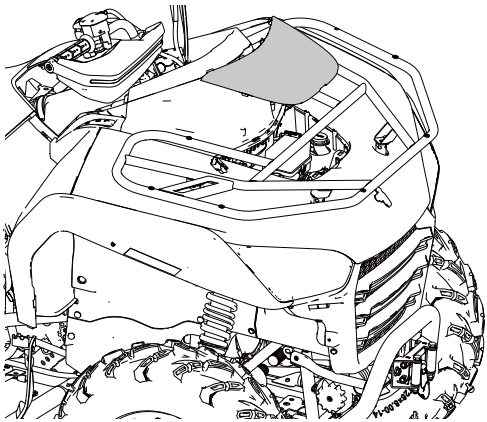


1 Tank cover 2 Expansion screws 3 Hexagon screw

1. First remove the seat.
2. Remove the two expansion screws in front of the tank cover with tools.
3. Remove the two hexagon screws behind the tank cover.
4. Lift the tank shield upward.

NOTICE
There are two connecting wire harness at the bottom of the tank shield. If the tank shield needs to be completely removed, please pull out the connecting wire plug.

REMOVE FRONT PANEL REPAIR COVER



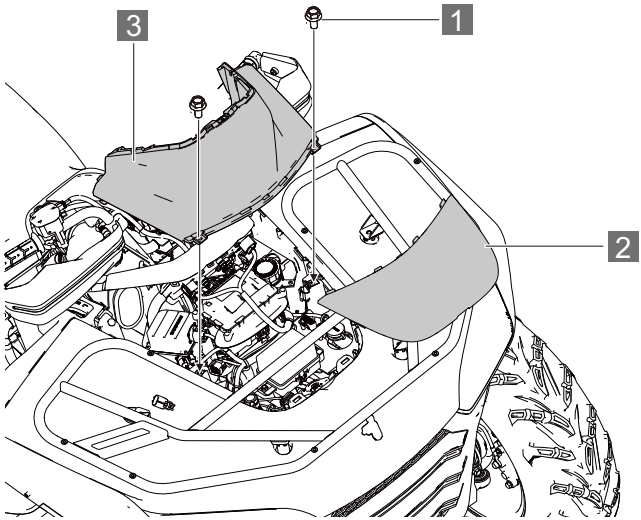
To remove the front repair cover, do as follows:

The front panel maintenance cover is fast removable snap-type installation, and you only need to lift the front of the maintenance cover up by hand.

When lifting up the maintenance cover, do not force too much, in order to avoid the maintenance cover and the upper shelf support bar collision, damage the spray paint of the maintenance cover.

Coolant adding mouth and fuse box are located under the repair cover. Please refer to the repair cover folding and unloading procedure in this section to add cooling aid or replace the fuse.

REMOVE LOWER COVER OF INSTRUMENT



1 **Bolts (2 pcs)** 2 **Remove front panel repair cover**

3 **Remove lower cover of instrument**

To remove the lower cover, do as following:

1. Remove the front panel repair cover 2 .
2. Remove 2 fix screw under lower cover of instrument by tools 1 .
3. Remove lower cover of instrument 3 .

ENGINE OIL MAINTENANCE PROGRAM

Be sure to check and change the oil at the time required by the regular maintenance chart. Be sure to use recommended engine oil. The oil filter must be changed every time the oil is changed. Pay special attention to the oil level. An increase in the oil level during cold weather can indicate contaminants collected in the oil sump or crankcase. If the oil level starts to rise, change the oil immediately. Monitor the oil level, if it continues to rise, stop using it and determine the cause. Your dealer can assist.

⚠ WARNING

Vehicle operation with insufficient, degraded or contaminated engine oil will cause accelerated wear and tear, and may result in engine jams, accidents and injuries. Always perform the maintenance procedures listed in the periodic maintenance chart.

OIL RECOMMENDATION

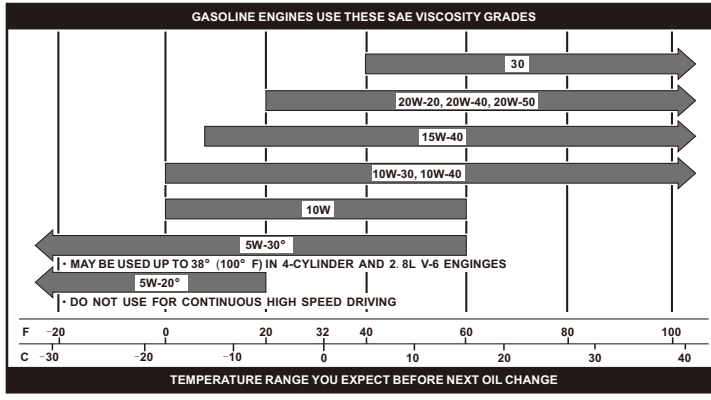
The oil filter must be changed every time the oil is changed.

It is recommended to use SAE 10W/40 SJ four-cycle oil or similar oil for this engine. Follow the manufacturer's recommendations for ambient temperature operation. Please refer to the lubricant guide section for fluid recommendations, capacity and blocking torque.

⚠ CAUTION

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

When the temperature is below -15 ℃, it is recommended to replace the 0W-40/SN engine oil.



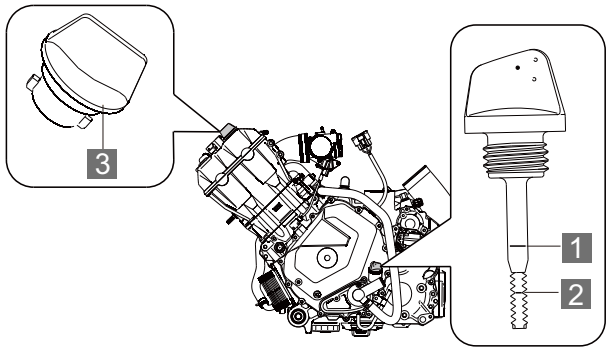
ENGINE OIL LEVEL CHECK

NOTICE

Running the engine with an improper oil level can cause serious engine damage.

1. Park the vehicle on a level ground. Wait at least 5 minutes to allow the oil to flow back to the bottom of the engine.
2. Put a piece of cotton cloth under the end of the oil dipstick, and then pull out the oil dipstick.
3. Wipe the oil dipstick clean.
4. Reinsert completely.
5. Put a piece of cotton cloth under the end of the oil dipstick, then pull out the oil dipstick and check the oil level.

Check the oil level as shown in the figure below. The oil level is between the Upper engraved line 1 and the Lower engraved line 2 . It is the proper oil level. Below the lower scale means the oil is too little, and the upper scale means the oil is too full, too little or too full is not suitable.



1 **Upper engraved line** 2 **Lower engraved line** 3 **Oil filler cap**

6. After cleaning the oil dipstick, fully insert it again.
7. If the oil level is near or below the lower level mark, remove the seat. Remove the oil fill cap 3 from the front right crankcase cover and add the specified oil into the fill cap hole up to the upper level mark on the dipstick.
8. Reinstall the oil fill cap and dipstick.
9. Install the tank cover assembly.
10. Install the seat.

CHANGING ENGINE OIL AND FILTER

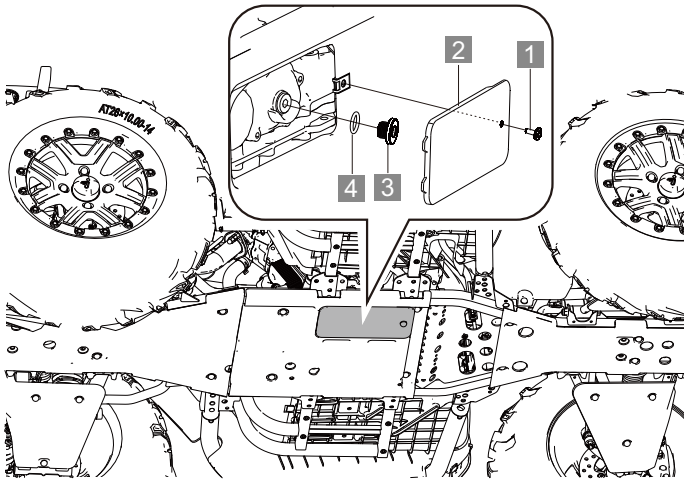
NOTICE

Whenever changing oil, it is recommended to change the oil filter.

⚠ WARNING

- The used engine oil contains potentially hazardous pollutants which can cause causes skin diseases such as dermatitis and skin cancer so take care to avoid prolonged and repeated exposure to such oils. Wash the skin thoroughly with soap and water to remove the used engine oil.
- The used oil and filtration must be scrapped in a safe and compliant way with environmental regulations.Do not dispose of used oil and filters in domestic garbage, sewers or on the ground. For information on oil recycling or scrapping, please consult your Segway dealer.
- Do not put used engine oil in a place where children can reach.

DRAIN THE ENGINE OIL



1 **Screw** 2 **Filter inspection cover**

3 **Oil drain plug** 4 **Gasket**

1. Put the vehicle on the flat level surface.
2. Start the engine, let it warm up at idle for 2 to 3 minutes.
3. Turn off the engine.
4. Remove the fixing screws of the filter inspection cover and open the filter inspection cover.
5. Remove the oil drain plug 3 and gasket, until the waste engine oil drains out completely.

NOTICE
Hot oil may burn the skin. Do not let the oil contact skin.

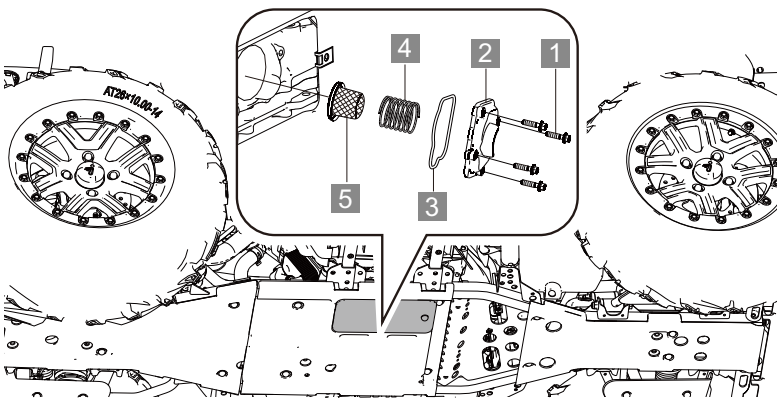
6. Put a new sealing washer onto the drain plug and reinstall the drain plug.

Torque specifications:

Torque	Oil drain plug: 16-20N.m(11.8-14.8ft·lb)

OIL STRAINER CLEAN

The oil filtration on this engine is a two-stage filtration system. The oil strainer(pre-filter) is designed to trap large foreign objects. Replace the oil according to the Maintenance Schedule. Also use Segway approved oil that is designed for 4-stroke engines.



1 **Bolt M6*25*8**
2 **Strainer cover**
3 **O-rings seal**
4 **Strainer spring**
5 **Oil strainer**

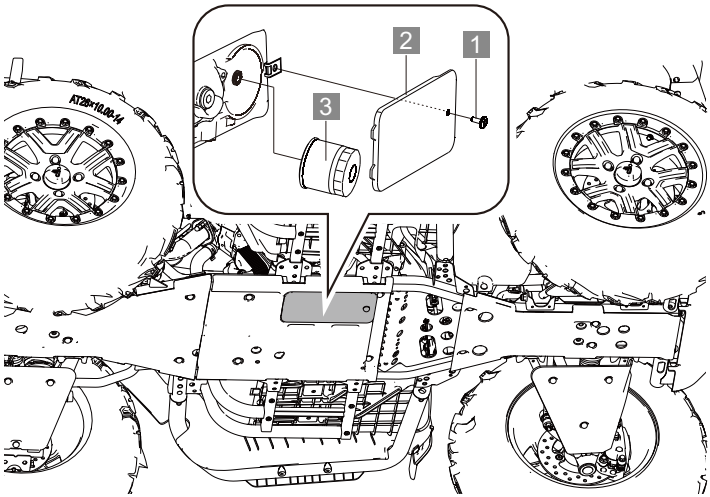
The oil filter can be checked after the oil is discharged. If cleaning is needed, please take the following steps:

1. Remove 4 bolts with tools.
2. Remove the strainer cover, O-ring seal and strainer spring in turn.
3. Take out the oil strainer for cleaning.
4. The installation step is opposite to the removal step.

OIL FILTER CHANGE

This procedure requires mechanical skill and professional tools such as a torque wrench as well as a means for disposing of the drained fluid. If you do not have the skills or the tools, see your dealer.

Check the fluid recommendation table for capacities and plug torques. Always change the oil filter at the same time when changing the oil.



1 **Screw** 2 **Oil filter inspection cover**

3 **Oil filter**

1. Remove the fixing screws of the filter inspection cover and open the filter inspection cover. You can see the black cover. The oil filter is located here. Put the towel under the oil filter.
2. Change a new O-shaped ring onto a new oil filter, inspect and make sure the O ring is in good condition.
3. Remove the oil filter to be replaced by the tool counter-clockwise.

Rotate clockwise to install the new filter until the filter gasket touches the sealing surface. Tighten the can.

FRONT/REAR GEAR BOX LIQUID

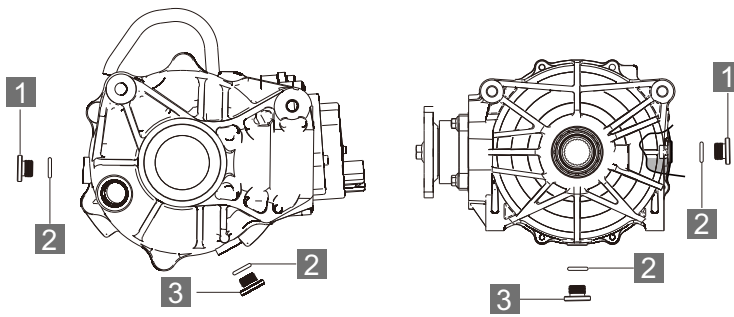
Please check and replace the required driving fluid at intervals listed in the periodic maintenance chart.

NOTICE

If the front gearbox makes excessive noise during 4WD operation, please change the demand drive fluid. If the noise continues, please ask Segway Powersports dealers or other qualified service facilities for vehicle inspection and service.

Use recommended oil. The use of other liquids may cause improper operation of parts.

FRONT/REAR AXLE GEAR OIL



1 **Filling plug** 2 **O-ring** 3 **Drain plug**

1. Put the vehicle on the flat level surface
2. Place an oil drain pan under the drain plug 3
3. Remove the drain plug 3 and O-ring 2 ;

Torque to specification：

Torque	Drain Plug: 11.8-14.8ft·lb. (16~20N.m)

4. After the oil has completely drained, reinstall the drain plug 3 and a new O-ring 2 .

The oil discharged is harmful to the environment. Properly dispose of the oil properly.

5. Remove the Filling plug 1 and O-ring 2 , Add the recommended liquid as needed to make the liquid level reach the bottom of the filling hole thread.

6. Reinstall the O-ring and filling plug

Torque to specification：

Torque	Filling Plug: 11.8-14.8ft·lb. (16~20N.m)

7. Check for the leak.

NOTICE
Dispose of used fluid properly.

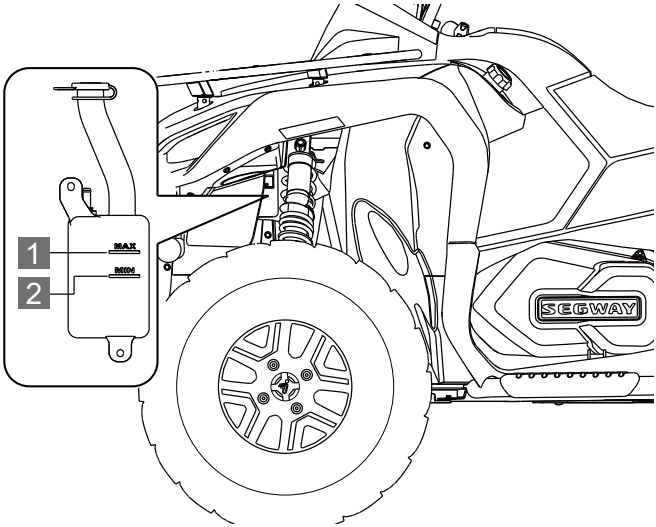
COOLANT

The coolant circulates in the engine cooling system, taking away the excess heat generated during the engine operation and making the engine operate at normal operating temperature. Maintaining the coolant will allow the cooling system to work properly and prevent freezing, overheating, and corrosion. Therefore, the coolant should be frequently checked. If found that the coolant is insufficient, it should be added in time. The factory provides a 50/50 solution of antifreeze and water in this ATV. This coolant solution is recommended for most operating temperatures and provides good corrosion protection.

ADDING COOLANT

The recovery bottle is located on the left side of the vehicle.

1. Observe the liquid level in the bottle
2. If the liquid level is low, remove the cap and add coolant. Maintain the coolant level between the minimum 2 and maximum 1 marks on the bottle (when the liquid is cool).
3. Remove the front panel maintenance cover in the middle area of the front upper part of the vehicle.
4. Unscrew the lid and pour in new coolant. Pay attention to the position of the coolant when pouring in. and do not exceed the maximum liquid level.
5. Tighten the lid of the cooling bottle
6. Reinstall the instrument cover and confirm whether the instrument cover is installed



1 **Maximum** 2 **Minimum**

BRAKE SYSTEM

The front and rear brakes are hydraulic disc brakes that are activated by moving a single brake lever towards the handlebars. These brakes are self-regulating. As the brake disc wears away, the brake fluid level will drop, and the leakage in the system will cause the fluid level to drop.

⚠ WARNING

Brake fluid levels must be checked periodically: overfilling of the brake cylinder may cause brake resistance or brake locking, which may result in serious injury or death. Keep brake fluid at the recommended level and do not overfill. Must check brake disc brake disc wear condition regularly: if brake disc wear, should be replaced.

The following inspection is recommended to keep the braking system in good working condition. If the brake is in heavy use during normal operation, check it frequently.

1. Always keep the brake fluid at an appropriate level. Please refer to master cylinder/brake fluid section for details.
2. Check the braking system for liquid leakage.
3. Check whether the brake travels too long or feels soft.
4. Check whether the friction gasket is worn, damaged or loose. When replacing the brake gasket, the brake pad must be replaced when the remaining limit thickness of the brake pad is not less than 1.5 mm.
5. Check the safety and surface condition of the disc. Use the recommended brake cleaner or liqueur to clean any grease. Do not use spray lubricants or other petroleum-based products. If any damage (crack, excessive corrosion, warping) is found, please check the dealer's service before operation.

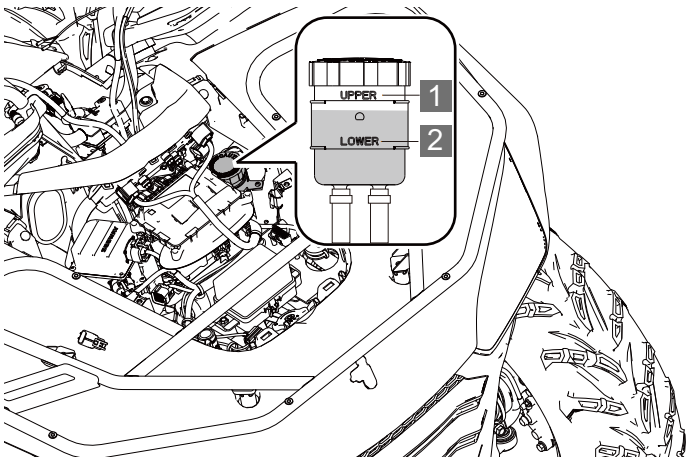
BRAKE OIL

Use the recommended brake oil:

Brake Oil	DOT4

No adjustment is required for the hydraulic assisted braking system. Check the brake oil level of the auxiliary braking system frequently. If the level is shown to be low, perform the following operations. The brake oil cup is located below the front panel.

1. Remove the front shelf and the lower cover of the instrument. See 109 for the removal method.Observe the liquid level in the container:



1 **UPPER** 2 **LOWER**

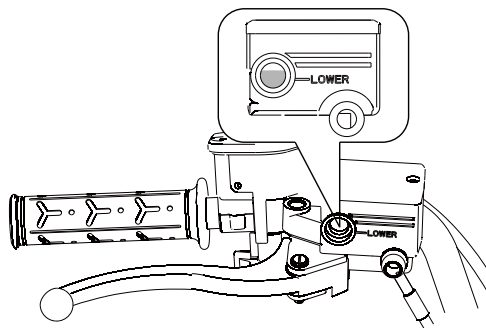
3. The brake fluid level is most suitable between the upper level and the lower level. If it is lower than the lower level, please add the recommended brake fluid and observe the liquid level.
4. Check whether the brake pads are worn.

NOTICE

Brake fluid can damage plastic and painted surfaces and should be added with caution. If the brake fluid comes into contact with the skin or eyes, flush with plenty of water immediately. If you feel unwell, seek medical advice immediately.

FRONT BRAKE FLUID

Check whether the front brake fluid level is below the minimum liquid level mark on the right handlebar. When the liquid level is below the minimum liquid level, perform the following operation.



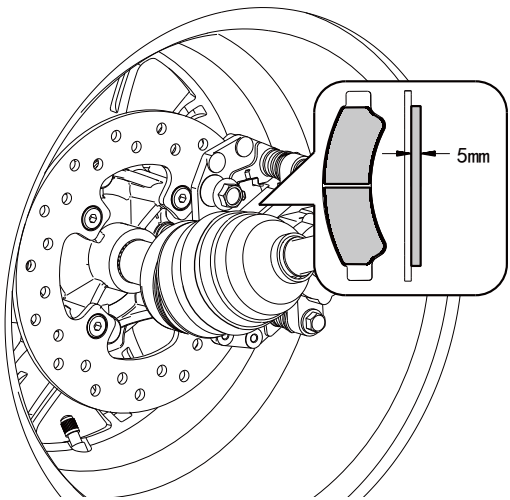
LOWER

1. Replenish brake fluid.
2. Check whether the brake pads are worn.

BRAKE COMPONENT

Brake component consumption will depend on the severity of operating and operating conditions. The brake component consumes faster in wet and muddy conditions. Periodically inspect brake component for consumption according to the maintenance periodic table. If the brake pad thickness is less than or equal to minimum thickness of 1.5 mm, the brake component must be replaced.

Brake components thickness	**Standard thickness**	**0.197" (5.0mm)**
	Minimum thickness	**0.06" (1.5mm)**



TIRE

TIRE PRESSURE

Driving a vehicle with incorrect tire pressure may result in the following consequences:

- Reduce fuel efficiency
- Reduced driving comfort and shortened tire life
- Safety reduction

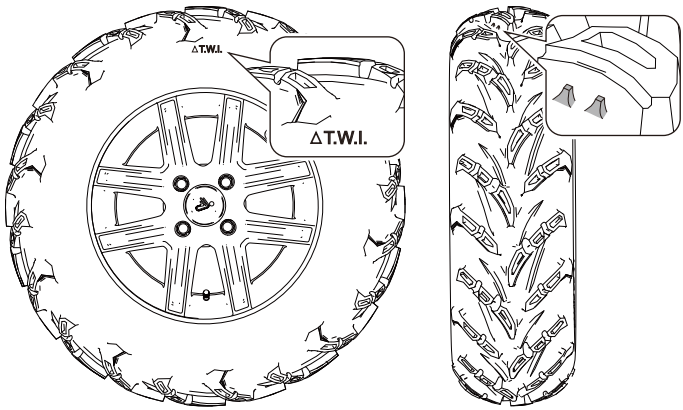
When checking tire pressure, follow the below instructions:

Recommended tire pressures	Front wheels	Rear wheels
	7.0psi（48.3kPa）	7.0psi（48.3kPa）

- Inspection can only be carried out after the tire cools down.
- If the vehicle has been parked for at least 3 hours, or has not driven more than 1.5 Km. Rechecking at this time can get an accurate reading of the cold tire inflation pressure.
- Do use tire pressure gauges. Tire appearance can sometimes be misleading. In addition, even a few pounds less air in a tire can affect driving and handling performance.
- Don't reduce the tire pressure after driving. Increased tire pressure is normal after driving.

TREAD DEPTH OF TIRE

- Observe the tire shoulder-wall- to find the tire wear limit mark "T.W.I". Follow the triangle sign to inspect any worn areas found.



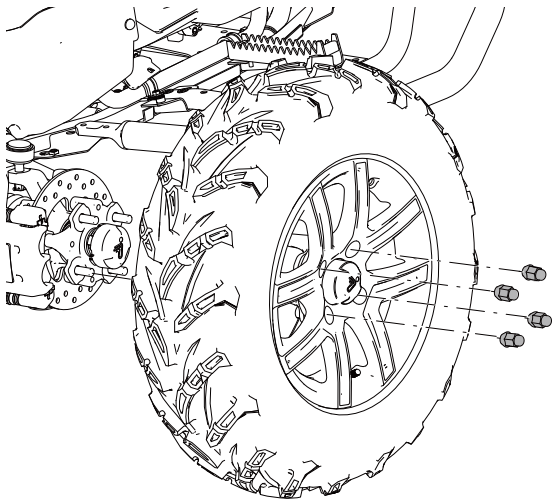
When to change a tire:

- If it is found that the tire is damaged, such a cut, delamination, deep cracks or bulging, tire replacement is needed.
- Tires often have air leaks and cannot be normally repaired due to the size or position of incisions or other injuries. If you are not sure, consult your dealer.

REPLACE THE TIRES

When the tire tread wear has reached the replacement mark or the tire is damaged due to external force impact, a new tire should be replaced.

WHEEL COMPONENT REMOVAL



1. Stop the engine.
2. Put the gear shifter in "P" position.
3. Lock parking brake.
4. Lift the side of the vehicle by placing a suitable bracket under the frame of the foot frame.
5. Loosen 4 (lug) hub mounting nuts.
6. Remove the entire wheel.

WHEEL COMPONENT INSTALL

1. First place the tire in the mounting position and screw the 4 wheel mounting nuts onto the wheel bolts in sequence.
2. Pre-tighten the bolts again with a tool in diagonal position.
3. Tighten with a torque wrench to the specified torque.

Torque	Lug Nuts: 74~88ft. lbs. (100~120N·m)

⚠ CAUTION

The loose nut may cause the tire to fall off during operation, which may cause an accident or rollover. Always ensure that all nuts are tightened to the required value (100~120)N·m. Do not use lubricating oil or grease on wheel bolts or wheel nuts. Lubricating oil or grease may cause excessive tightening of wheel nuts, resulting in damage to bolt or spoke wheels. In addition, lubricating oil or grease can cause wheel nuts to become loose and wheels may fall off, which can lead to accidents and serious injuries. Remove any lubricating oil or grease from wheel bolts or wheel nuts.

⚠ WARNING

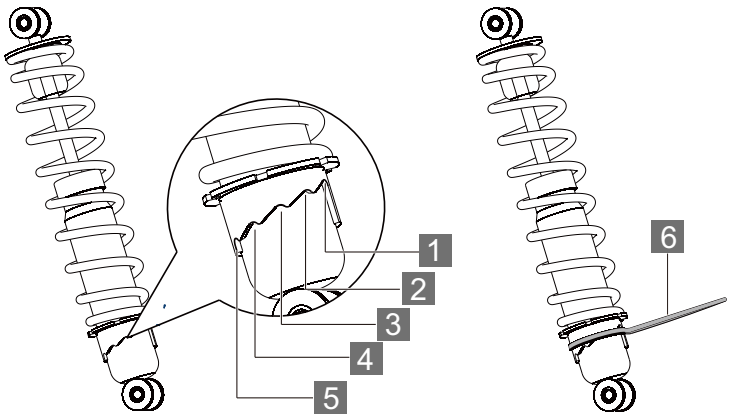
Do not use wheels of different sizes than recommended in the User's Manual as this can cause the vehicle to lose control.

	The front wheel	The rear wheel
The recommended size	25×8-12	25×10-12
	26×8-12	26×10-12
	26×8-14	26×10-14

SHOCK ABSORBER ADJUSTMENT

There are different kinds of shock absorber fitted in ATVs depending on different configurations. Please adjust the shock absorber according the actual kind fitted in your ATV.

OIL SHOCK ABSORBER



1. There are 5 shock absorption positions, which are used for different loads or driving conditions.

Position 1 : For light load or flat terrain.

Position 2 : Standard position.

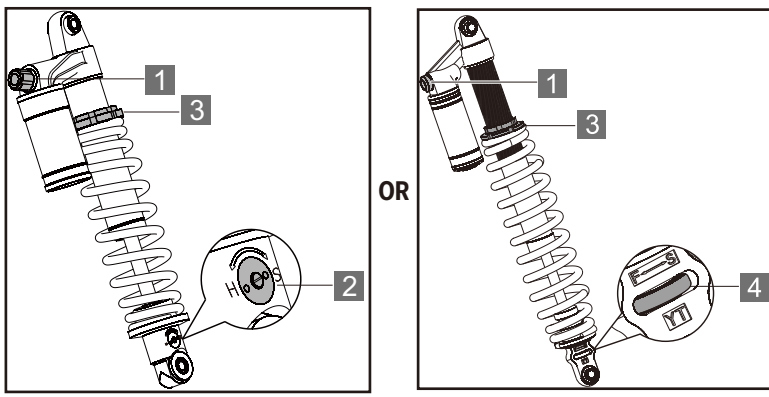
Position 3 ~ 5 : When ATV load is heavy, it can be adjusted to this position.

2. Use crescent wrench 6 to adjust the impact spring pressure.

⚠ CAUTION

When adjusting the shock absorption position, always adjust the left and right shock absorption to the same position. Step up or down one position at a time during adjustment. Do not try to make large adjustments which may damage the shock absorber.

ADJUSTABLE AIR SHOCK ABSORBER



1 Compression damping adjustmen knob

- Increase the compression damping when turning the knob clockwisely.
- Reduce the compression damping when turning the knob counter clockwise.

2 Recovering the damping adjusting valve.

Use flat screwdriver to adjust the valve.

- Increase the recovery of damping when turning the valve to the direction of “H”
- Reduce the recovery of damping when turning the valve to the direction of “S”

3 Spring adjusting cap. Use special tool to adjust the spring adjusting cap.

- Reduce the compression pressure when turning the adjusting cap upwards.
- Increase the compression pressure when turning the adjusting cap downwards.

4 Recovering the damping adjusting valve.

- Increase the recovery of damping when turning the valve to the direction of “S”
- Reduce the recovery of damping when turning the valve to the direction of “F”

SUSPENSION DRIVE LUBRICATION

The vehicle's front suspension, rear suspension, drive shaft and balance parts are reserved with grease zert fittings, A grease filling label is posted nearby.

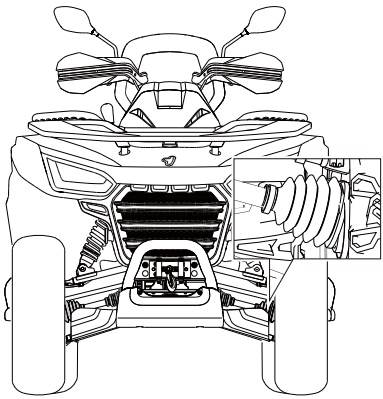
Grease filling label



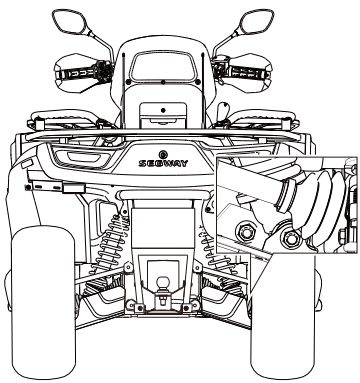
These parts in the vehicle needs sufficient lubrication, according to the maintenance of the periodic table to add appropriate grease, lubrication, can reduce the wear of these parts, and increase the service life.

DRIVENSHAFT BOOTS

Front Driveshaft Boots



Rear Driveshaft Boots



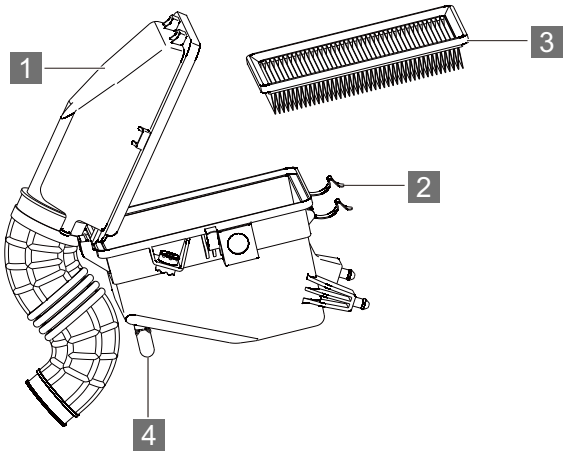
Check front and rear drive shaft dust boots for cuts, damage or grease leakage. If needed, please contact the dealer for replacement.

AIR FILTER

The air filter element of this vehicle is a paper air filter element. The air filter needs to be inspected and cleaned after every ride. Replace according to the periodic maintenance table (see page 96) . First, remove the filter element for inspection. If the filter element is seriously soaked with oil or dirt, do not clean it, instead, replace it with a new filter element. If there is no oil or heavy dirt, you can put the air intake side down, knock on the ground, and shake off most of the dust.

It is better if you use an air hose. You can blow from the filter element side (cannot blow from the air intake side) until the dust is blown off.

Remove the air filter cover



1 **Air filter cover**	2 **Air box cover clamp**
3 **The filter element**	4 **Air filter plug**

The air filter cover is located in front of the seat. Disassemble steps.

1. Press and move the air box cover clamp.
2. Pull up the front air filter cover.
3. Take out the old air filter.
4. Clean the filter.
5. Install a new filter if necessary.
6. Make sure the air filter is securely anchored.

LAMP

⚠ CAUTION

Poor lighting can result in reduced visibility while driving. If the headlight and taillight lenses get dirty, please clean the headlamps frequently and replace burnt headlamps promptly. To ensure optimum visibility, make sure the lights are properly adjusted.

CHANGE THE HEADLIGHT

LED lights

LED lights consist of multiple lights. If any LED burns out, please send the vehicle to the dealer for replacement.

Halogen lamp

If the halogen bulb is damaged, it can be replaced. You can replace the following lamps yourself. The ease of replacement varies according to the bulb types. Due to possible damage, we recommend that the parts are better to be replaced by the dealers.

In the following cases, contact your dealer for more information. It doesn't mean malfunction if condensed water appears inside the headlamp lens temporarily. Examples are:

- There are big beads of water inside the lens.
- Condensation of water inside the headlamp.

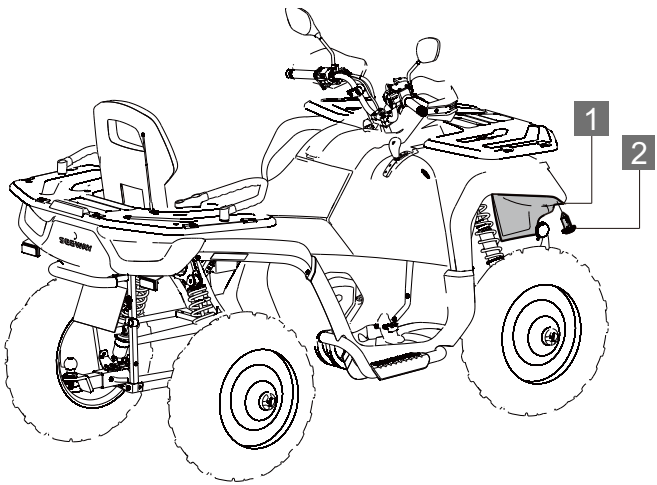
⚠ CAUTION

Heat can cause skin burns. Allow the lights to cool before doing maintenance.

DO NOT touch the headlight shade bulb glass. Fingerprints on the glass can cause premature failure.

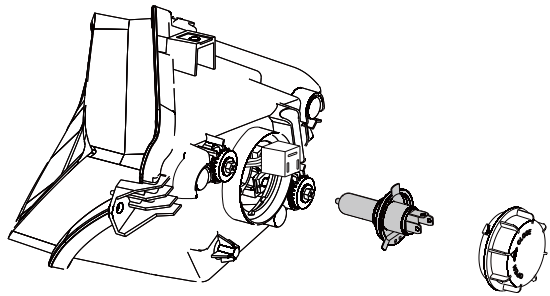
Execute the following procedure:

1. Remove the headlamp shade expansion screw and remove the headlamp cover with the tool.



1 Front headlamps cover **2 Expansion screw**

2. Twist clockwise and turn off the cover of the headlamp.
3. Remove the wire harness connector on lamp and take out the broken lamp.



Reinstall the new light into the new headlight and turn on the headlight.

4. Test whether Lamp is working properly.
5. Press the fixed spring on both sides to make the spring pop out of the slot.
6. Remove the broken light bulb.

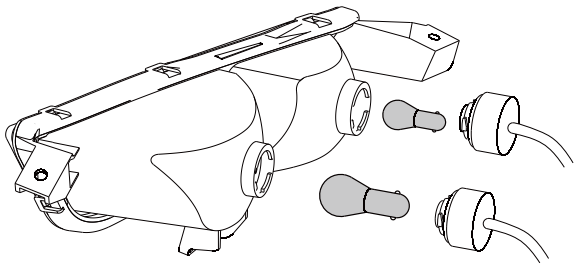
⚠ CAUTION
Please replace lamp with the recommended power.

Reinstall the new lamp into the new headlight assembly. The installation procedure is opposite to the disassembly procedure. After installation, turn on the headlight switch to test whether the lamp is working properly.

REPLACE TAILLIGHT/REAR TURN LIGHT

Procedures for changing taillights:

Remove rear light cover.



1. Unscrew the rear light holder.
2. Turn the bulb that needs to be replaced on the taillight seat from left to right. When the limit bead at the end of the bulb gets stuck in the limit slot of the lamp seat, the damaged bulb can be taken out and replaced with a new bulb with the same power.
3. Test whether the lamp works normally.

HIGH BEAM ADJUSTMENT

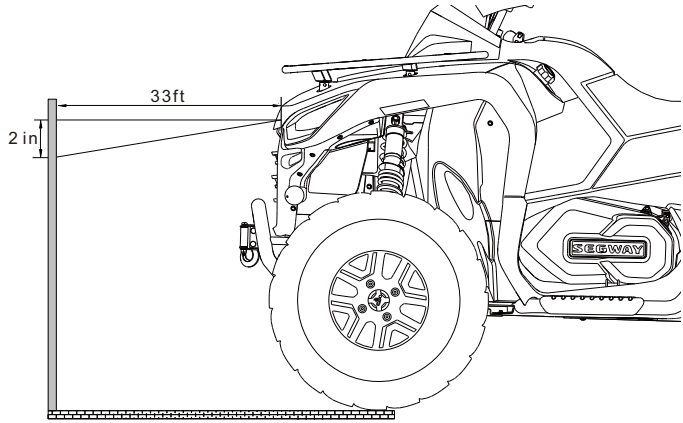
The headlight beam can be adjusted slightly up/down. Use the following procedure to make adjustments.

⚠ CAUTION

The following pictures are for reference only. Your model may be slightly different.

It is best to let Segway Powersports dealers adjust if conditions permit.

1. Place the vehicle on a horizontal ground with a headlight position of about 33 feet.

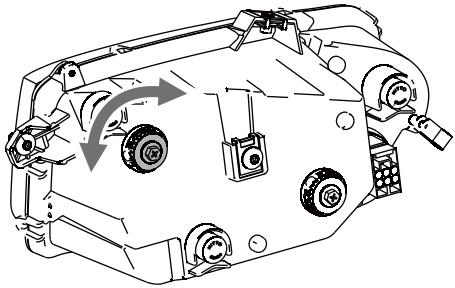


2. Measure the distance from the floor to the center of the headlights and mark the walls at the same height.
3. Start the engine. Convert headlight switch to high beam.
4. Watch the headlights aim at the wall. The strongest part of the headlight beam should be 2 inches. Measurement on the seat includes weight of the driver.

Adjust the headlight beam upwards and downwards

To raise the headlight beam, turn the headlight adjusting screw counterclockwise.

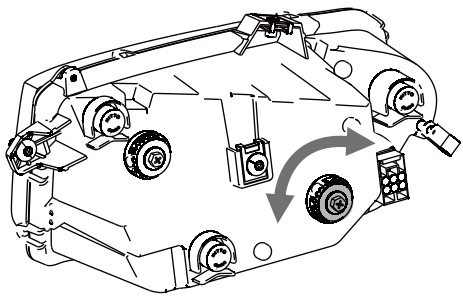
To lower the headlight beam, turn the headlight speed adjustment screw clockwise.



1 **Light adjusting screw**

Adjust the headlight beam left and right

Headlight beam can be adjusted slightly to the left or right.



1 **Light adjusting screw**

To turn the headlight beam to the left, turn the headlight adjustment screw counterclockwise.

To turn the headlight beam to the right, turn the headlight speed adjustment screw clockwise.

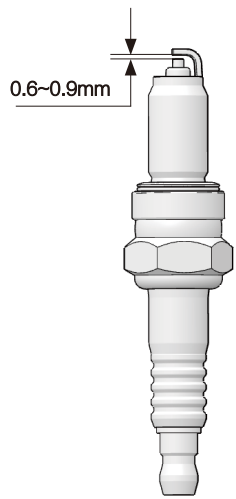
SPARK PLUG

Refer to the recommended spark plug type and clearance specifications. Spark plug torque specification.

⚠ CAUTION

Using unrecommended spark plugs can cause serious engine damage. Always use the recommended spark plugs or their equivalents.

Spark Plug	Model	Spark Plug Gap
	B7RTC	0.6-0.9mm

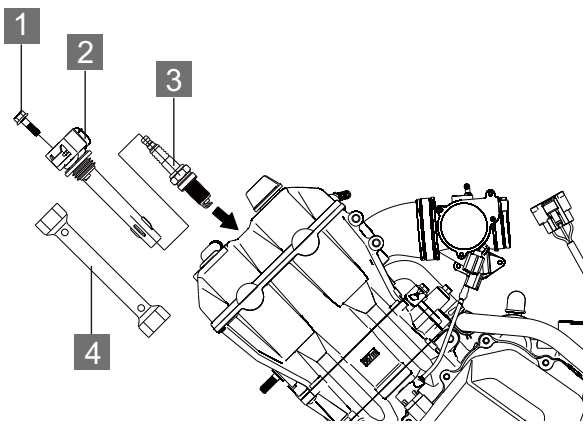


SPARK PLUG INSPECTION

Spark plug condition indicates a well running engine. Check or change the spark plugs with reference to the maintenance time of the periodic maintenance schedule.

⚠ CAUTION

Wear protective gloves to remove the spark plug for inspection. A hot exhaust system and engine will cause burns.



1 **Bolt**
2 **Ignition coil**
3 **Spark plug**
4 **Spark plug sleeve**

The spark plug is located under the cushion. Please refer to page 98 for removing the cushion.

1. Remove the ignition coil fixing bolts.
2. Take out the ignition coil.
3. The spark plug is located below the ignition coil. Use tool to turn the spark plug cap 1/4 and remove it from the spark plug.
4. Rotate the spark plug counterclockwise and remove it.
5. Inspect the spark plug.

Spark plug normal status: The electrode part is grayish white, grayish yellow or light brown, and the electrode gap is about 0.6-0.9mm.

Spark plug to be replaced: The spark plug appears electrode ablation, carbon deposition, clearance is too large, at this time the spark plug should be replaced.

SPARK ARRESTER

Spark eliminator prevents random sparks from entering other vehicles parts. The following warnings can cause serious injury or death if not followed. Regular maintenance can prevent carbon accumulation, whereas delayed maintenance will reduce engine performance.

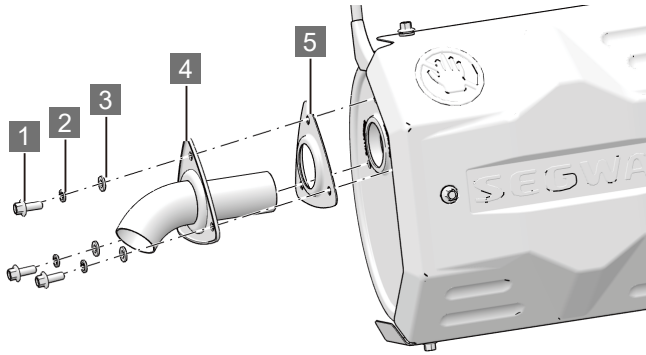
⚠ WARNING

Make sure the exhaust pipes are cool and the engine has just stopped running. Let pipes completely cool down to avoid getting burned.

To reduce fire hazards, ensure that there are no combustible material in the area when removing spark plugs.

Safety glasses are recommended in this procedure.

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



1 **bolt M6 × 16 (3 pieces)**
2 **spring washer (3 pieces)**
3 **flat washer (3 pieces)**
4 **spark arrestor**
5 **Gaskets**

Let pipes completely cool down to avoid getting burned.

1. Remove three M6×16 bolts, spring washers, and flat washers.
2. Cleaning spark arrestor with soap and water, and as needed with a wire brush to remove all cinders.（Should be cleaned every 100 hours of service.）
3. Reinstall the muffler spark eliminator and bolts.

NOTICE
Replacement gaskets should be readily available from Segway Powersports parts and service dept.

BATTERY

Due to natural discharge and leakage effects of some electrical equipment, the 12V battery will discharge gradually even when the vehicle is not in use. If the vehicle is parked for a long time, the 12V battery may discharge and may not start.Please charge the battery slowly one time for at least within 30 days. This will maintain the battery life.

⚠ WARNING

12V batteries contain toxic and corrosive sulfuric acid which may produce flammable explosive hydrogen gas. To reduce the risk of serious injury or death, the following precautions should be observed when handling 12V batteries or working near them:

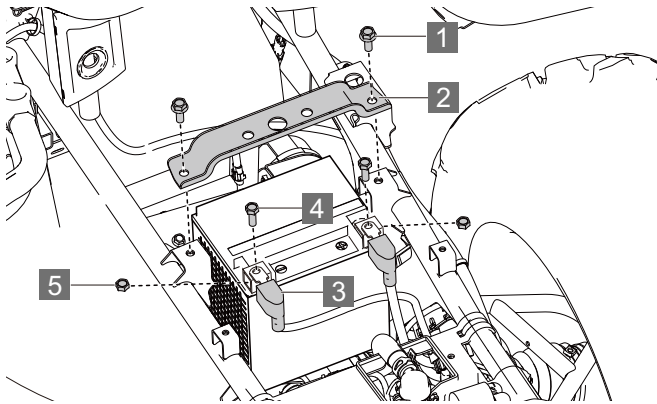
- **Do not smoke or light a match near a 12V battery.**
- **Avoid splashing electrolyte on eyes, skin and clothes.**
- **Wear safety goggles when working near 12V battery.**
- **Keep children away from 12V batteries.**

Be sure to charge the 12V battery in an open area. Do not charge a 12V battery in a poorly ventilated garage or enclosed room.

BATTERY DISASSEMBLY

NOTICE

If the electrolyte overflows, immediately wash it off with a solution of 1 tablespoon baking soda and 1 cup water to prevent damage to the vehicle.



The battery is located below the cushion. Please refer to page 98 for removing the cushion.

Cut off the power before removing battery.

1 **Bolt M8*12 (2 PC)** 2 **Battery plate**

3 **Protective rubber sleeve**

4 **Positive and negative anchor bolt cable**

5 **Positive and negative anchor nuts for cable**

1. Remove the battery cover screw 1 with a tool.
2. Remove battery press plate 2 .
3. Turn up the Protective rubber sleeve.
4. Remove the battery negative pole screw and disconnect the black (negative) battery cable.
5. Remove the battery (positive) pole screw and disconnect the red (positive) battery cable.
6. Remove the battery from the ATV.

BATTERY CHARGING

NOTICE

When charging, the hydrogen produced by the 12V battery is combustible explosive gas. Therefore, please follow the following precautions before charging:

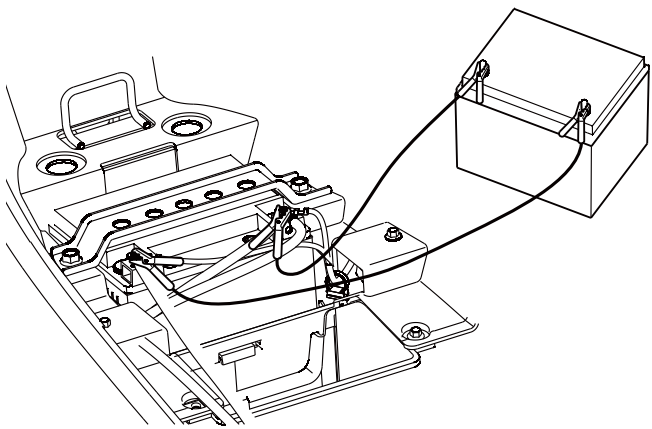
If charging the 12V battery is still installed in the vehicle, be sure to disconnect the ground cable.

Make sure the power switch on the charger is off when connecting and disconnecting the charger cable to the 12V battery.

Only charge slowly (5A or less). If charge quickly, the 12V battery may explode.

Measures to be taken in an emergency

1. Connect the clamp of the positive jumper cable to the special jumper starting terminal of the vehicle.
2. Connect the clamp on the other end of the positive cable to the positive (+) terminal of another vehicle.
3. Connect the negative cable clamp to the negative battery terminal of another vehicle.
4. As shown, connect the clamp on the other end of the negative cable to a separate clamp.
5. Place jumper cable terminals firmly on, unpainted metal.



BATTERY INSTALLATION

NOTICE

To reduce the chance of sparks: Whenever the battery is removed, disconnect the black (negative) cable first.When reinstalling the battery. finally install the black (negative) cable.

1. Clean battery cables and terminals with a hard wire brush. Corrosion can be removed with a solution of 1 cup water and 1 tablespoon baking soda.Rinse well and dry thoroughly.
2. Put the battery in the tray.
3. Connect and tighten the red (positive) cable.
4. Connect and tighten the black (negative) cable.
5. Install a clear battery vent from the vehicle to the battery vent.(For conventional batteries only).
6. Install the battery press plate.
7. Tighten the battery clamp bolt.
8. Verify that cables are properly wired.

FUSE

All circuits on the ATV have fuses to protect electrical equipment from damage caused by high current (short circuit or overload).

If any of the electrical parts do not work, the fuse may have blown. If this happens, check and replace the fuse if necessary. You can consider electrical faults. First check whether the fuse needs to be replaced. If it is found to have blown, replace the blown fuse. There is a spare fuse in the fuse box. Check all fuses for other possible causes. Replace all blown fuses and check the working condition of components. All fuses are found in the fuse box. In the event of a system failure, see "Fuse Distribution and Ampere rating" for details of which fuses to check.

NOTICE

- **Do not use a fuse above the rated ampere value or replace it with anything else.**
- **Please use the same product. Never use wires for fuses, Even temporary replacements are not allowed.**
- **Do not modify fuses or fuse boxes.**

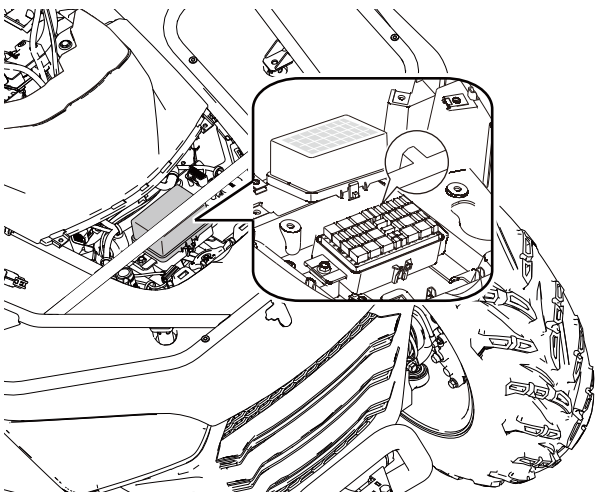
FUSE BOX

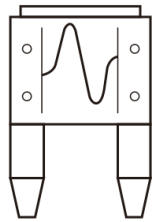
The fuse box is located under the front hood.

Remove front panel repair cover as shown in page 100.

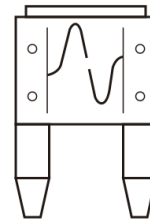
After the front panel repair cover is removed, the fuse box located at the bottom can be seen. Move the clasp on the left and right sides of the fuse box cover to the outside. Loosen the clasp and open the fuse box.

NOTICE
Fuse box cover has limited slots. Please pay attention to the direction of installation.





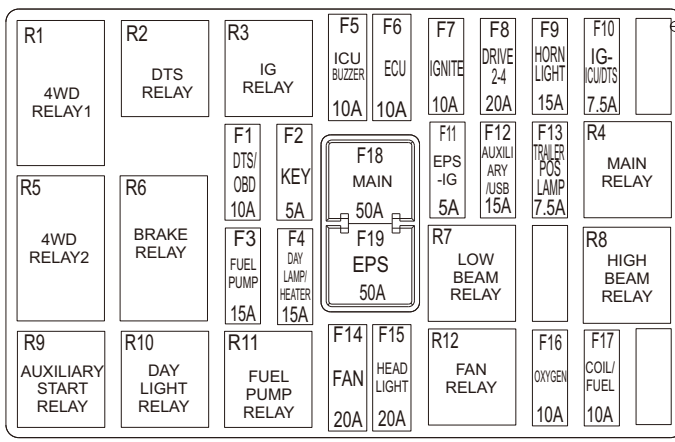
Normal fuse



Blow fuse

FUSE/RELAY DISTRIBUTION AND RATED AMPERAGE

There is a fuse distribution label on the top of the fuse box cover. You can refer to the fuse power on the label to find a fuse of the same power for replacement.



Rated amperage of fuse/relay and distribution

No.	Fuse/Relay	Power
F1	DTS/OBD	10A
F2	KEY	5A
F3	FUEL PUMP	15A
F4	DAY LAMP/HEATER	15A
F5	ICU BUZZER	10A
F6	ECU	10A
F7	IGNITE	10A
F8	DRIVE 2-4	10A
F9	HORN LIGHT	15A
F10	IG-ICU/DTS	7.5A
F11	EPS-IG	5A
F12	AUXILIARY/USB	15A
F13	TRAILER POS LAMP	7.5A
F14	FAN	20A
F15	HEAD LIGHT	20A
F16	OXYGEN	10A
F17	COIL/FUEL	10A
F18	MAIN	50A
F19	EPS	50A

R1	4WD relay 1	12V 20A
R2	DTS relay	12V 20A
R3	IG relay	12V 20A
R4	Main relay	12V 20A
R5	4WD relay 2	12V 20A
R6	BRAKE RELAY	12V 20A
R7	LOW BEAM RELAY	12V 20A
R8	HIGH BEAM RELAY	12V 20A
R9	AUXILIARY START RELAY	12V 20A
R10	Day light relay	12V 20A
R11	Fuel pump relay	12V 20A
R12	Fan relay	12V 20A

NOTICE

Due to the continuous upgrading of products, the fuse may have slight changes. All functional positions and specifications in the fuse box are subject to the actual product.

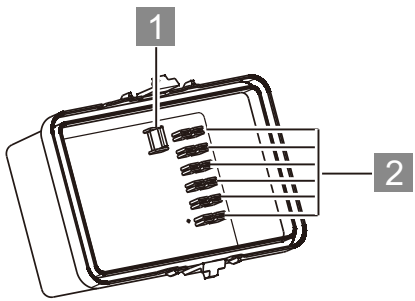
FUSE BOX REPLACEMENT

To prevent an accidental short circuit, turn the ignition switch to the (OFF) position and check or replace the fuse.

To check or replace the circuit fuse, pull out the old fuse with a puller.

The fuse box cover is equipped with a puller. Using this tool will help you take out the fuse.

The fuse box cover is fitted with a common fuse which can be replaced.



1 **Puller** 2 **Spare fuse**

NOTICE

If a replacement fuse suitable for the circuit rating is not available, install a lower rated fuse.

APPEARANCE CARE

VEHICLE WASHING

High pressure water can damage parts and remove paint and decals.

1. Cover or plug the exhaust outlet prior to washing your Vehicle.
2. Fill a bucket with water. Mix in a mild, neutral detergent, such as dish washing liquid or a product made especially for washing motorcycles or automobiles.
3. Wash your Vehicle with a sponge or soft towel. As you wash, check for heavy grime. If necessary, use a mild cleaner/ degreaser to remove the grime.
4. After washing, rinse your Vehicle thoroughly with plenty of clean water to remove any residue. Detergent residue can corrode alloy parts.
5. Dry your Vehicle with a chamois or a soft towel. Leaving water on the surface to air dry can cause dulling and water spots. As you dry, inspect for chips and scratches.
6. As a precaution, ride your Vehicle at a slow speed and apply the brakes several times. This will help dry the brakes and restore normal braking performance.

CLEANING TIPS

Avoid using automotive products, some of which may scratch your vehicle. Clean and polish regularly with a clean cloth and mat. Old or reused cloth and mats can contain dirt particles that can scratch the finish.

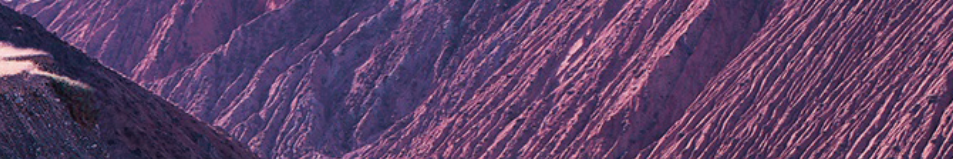
VEHICLE STORAGE

When the vehicle is not used for a long time, it should be appropriately stored. The vehicle should be parked and cleaned. If there is no indoor storage , covered outdoor storage is recommended.

TRANSPORTING THE ATV

Follow these procedures when transporting the vehicle.

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



SPECIFICATIONS

TECHNICAL PARAMETERS OF VEHICLE.....156
VEHICLE IDENTIFICATION NUMBER.....160
THE FRAME NAMEPLATE.....161

TECHNICAL PARAMETERS OF VEHICLE

Item	Model	
	Segway AT6 S Segway AT6 EPS	Segway AT6 L Segway AT6 Touring EPS
Length	87 in （2200mm）	92.13 in （2340mm）
Width	50.39 in （1280mm）	50.39 in （1280mm）
Height	51.97 in (1320mm)	56.3 in （1430mm）
Wheel base	51.18 in (1300mm)	57.09 in （1450mm）
Ground clearance	10.6 in （270mm）	
Turning diameter	275.59 in （7000mm）	314.96 in （8000mm）
Curb weight	420kg(926lb)	447kg(985lb)
Front rack load	40kg(88.18 lb)	
Rear rack load	60kg(132.28 lb)	
Recommended Traction quality Pulled load quality）	300kg(661.39 lb)	350kg(771.62 lb)
Engine model	199MS	
Engine type	Four stroke、Single cylinder、 Water cooled、vertical、 Double overhead camshaft	

Cylinder diameter × stroke	99×73.6
Engine displacement	567cc
Compression ratio	10.6:1
Idle speed	1300±130r/min
Starting way	Electric start
Lubrication way	Pressure spray
Engine oil type	SAE 10W/40 SJ or higher
Engine oil capacity （oil filter replacement）	2.4L (2.5 qt)
Engine oil capacity （The filter not changed）	2.2L (2.3 qt)
Front axle gear oil type	SAE80W/90 GL-5
Empty Volume	280ml (0.3 qt)
Rear axle gear oil model	SAE80W/90 GL-5
Empty Volume	220mL (0.23 qt)(No differential) 260mL (0.27 qt)(With differential)
Air filter	Paper filter
Fuel tank type	Flame-retardant plastic fuel tank
Fuel tank capacity	23L
Fuel storage capacity	4.5L

SPECIFICATIONS

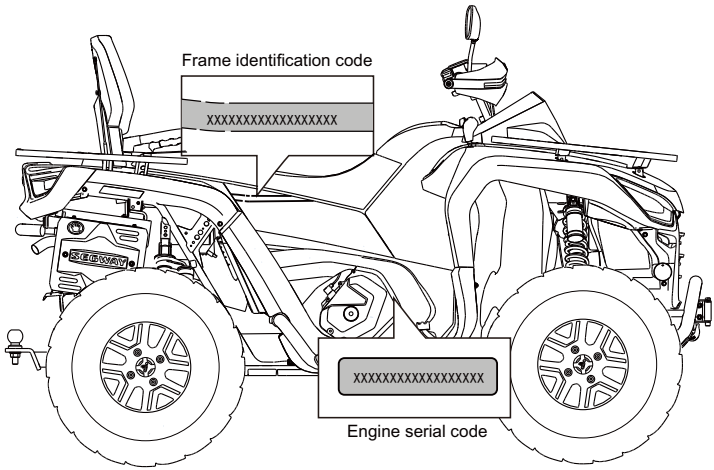
Throttle type	D42
Spark plug type	B7RTC
Spark plug clearance	0.6~0.9mm
Variable speed way	CVT
Shift sequence	L-H-N-R-P
Variable speed ratio	0.648～2.976
L Transmission ratio	12.71～58.36
H Transmission ratio	7.33～33.64
Reverse gear ratio	10.46～48.06
Tire type	Vacuum tire
Front tire specification	25×8-12/26×8-12/26×8-14
Rear tire specification	25×10-12/26×10-12/26×10-14
Front tire pressure	7.0psi (48.3kPa)
Rear tire pressure	7.0psi (48.3kPa)
Brake type	front double disc brake,rear single disc brake (Brake shaft)/front double disc brake、rear double brake
Foot brake mode	Right foot operation
Front braking mode	Right operation
Brake fluid type	DOT4
Front suspension	Front double A rocker arm

Rear suspension	Rear double A rocker arm	
Front shock absorber	Spring + oil resistance Spring + air resistance	
Rear shock absorber	Spring + oil resistance Spring + air resistance	
Front wheel travel	180mm	
Rear wheel travel	210mm	
Ignition mode	electricity (ECU）	
Charge	580W / 5500 rpm	
Battery	12V 32Ah	
Headlight	LED 13.2W/13.2W	H4 55W/60W
Front turn light	LED 2.64W	4.8W
Day light	LED 28.8W	4.2W
Front position light	LED 12W	0.5W
Rear turn light	LED 2.64W	10W
Parking light	LED 3.96W	21W
Rear tail light	LED 0.61W	10W/5W
License plate light	LED 0.64W	5W

VEHICLE IDENTIFICATION NUMBER

Record the frame identification code and engine serial code in the spaces provided for assistance when ordering spare parts from a dealer or for reference in case the vehicle is stolen.

The frame identification number is located on the frame cross under the seat cushion pipe under the seat cushion.

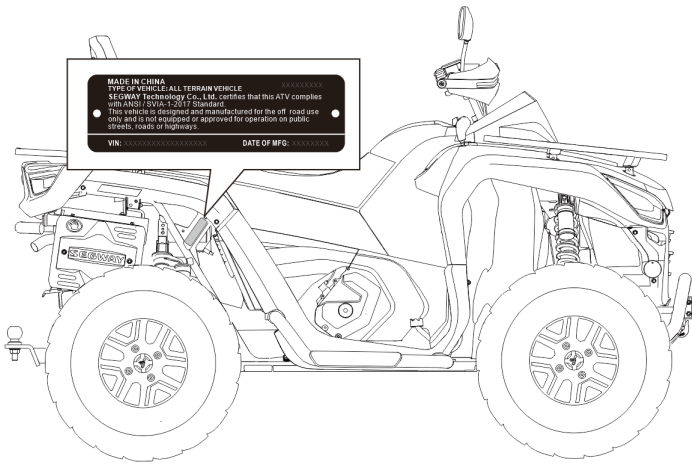


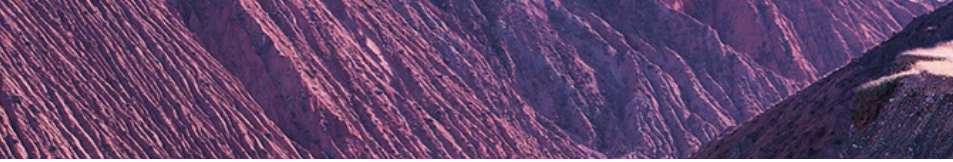
Frame identification code	

Engine serial code	

THE FRAME NAMEPLATE

The frame nameplate is located below the right rear shelf of the vehicle, the nameplate shows the basic characteristics information which include VIN code. It needs the VIN when the vehicle requires activation in the first time.





TROUBLESHOOTING

DRIVE BELT AND COVER PROBLEMS 163
ENGINE DOESN'T TURN OVER 165
ENGINE PINGS OR KNOCKS 165
ENGINE STOPS OR LOSES POWER 166
ENGINE TURNS OVER, FAILS TO START 166
ENGINE BACKFIRES 167
ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES 168
ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES 169
ENGINE STOPS OR LOSES POWER 170
DIAGNOSTIC DISPLAYS CODE DEFINITIONS 171

With all the challenges you can encounter off-road, there's chance that sometime something may go wrong. This section gives practical advice to help you deal with a wide range of problems. Take time to read this section before you ride.

DRIVE BELT AND COVER PROBLEMS

Possible Cause	Solution
Driving the ATV onto a pickup or tall trailer in high range	Shift transmission to low range during loading of the ATV to prevent belt burning.
Starting out going up a steep incline	When starting out on an incline, use low range or dismount the ATV (after first applying the park brake) and perform the K-turn as described on page 69.
Driving at low RPM or low ground speed (at approx. 3-6 MPH (5-10 km/h))	Drive at a higher speed or use low range more frequently. The use of low range is highly recommended for cooler CVT operating temperatures and longer component life.
Insufficient warm-up of ATVs exposed to low ambient temperatures	Warm the engine before driving. The belt will become more flexible and prevent belt burning.
Slow and easy clutch engagement	Use the throttle quickly and effectively for efficient Engagement.
Towing/pushing at low RPM/low ground speed	Use low range only.
Utility use/plowing snow, dirt, etc	Use low range only.

TROUBLESHOOTING

Possible Cause	Solution
Stuck in mud or snow	Shift the transmission to low range, and carefully use fast, aggressive throttle application to engage clutch. WARNING: Excessive throttle may cause loss of control and vehicle overturn.
Climbing over large objects from a stopped position	Shift the transmission to low range, and carefully use fast, brief, aggressive throttle application to engage clutch. Excessive throttle may cause loss of control and vehicle overturn.
Belt slippage from water or snow ingestion into the CVT system	Remove the CVT cover and drain the water from CVT.
Clutch malfunction	Contact your dealer for inspection of clutch components.

ENGINE DOESN'T TURN OVER

Possible Cause	Solution
Poor engine performance	Check for fouled plugs or foreign material in gas tank, fuel lines, or throttle. Contact your dealer for service.
Tripped circuit breaker	Reset the breaker.
Low battery voltage	Recharge battery to 12.5 VDC.
Loose battery connections	Check all connections and tighten
Loose solenoid connections	Check all connections and tighten

ENGINE PINGS OR KNOCKS

Possible Cause	Solution
Poor quality or low octane fuel	Replace with recommended fuel
Incorrect ignition timing	See your dealer
Correct spark plug gap or heat range	Set gap to specs or replace plugs

TROUBLESHOOTING

ENGINE STOPS OR LOSES POWER

Possible Cause	Solution
Overheated engine	Clean radiator screen and core if equipped Clean engine exterior See your dealer

ENGINE TURNS OVER, FAILS TO START

Possible Cause	Solution
Out of Fuel	Refuel
Clogged fuel valve or filter	Inspect and clean or replace
Water is present in fuel	Drain the fuel system and refuel
Fuel valve is out of use	Replace
Old or non-recommended fuel	Replace with new fuel
Fouled or defective spark plug(s)	Inspect plug(s), replace if necessary
No spark to spark plug	Inspect plug(s), verify stop switch is on
Crankcase filled with water or fuel	Immediately see your dealer

Overuse of choke	Inspect, clean and/or replace spark plugs
Clogged fuel injector	Clean or replace new fuel injector
Low battery voltage	Recharge battery to 12.5 VDC
Mechanical failure	See your dealer

ENGINE BACKFIRES

Possible Cause	Solution
Weak spark from spark plugs	Inspect, clean and/or replace spark plugs
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Old or non-recommended fuel	Replace with new fuel
Incorrectly installed spark plug wires	See your dealer
Incorrect ignition timing	See your dealer
Mechanical failure	See your dealer

TROUBLESHOOTING

ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

Possible Cause	Solution
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with new fuel
Low battery voltage	Recharge battery to 12.5 VDC

ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

Possible Cause	Solution
Kinked or plugged fuel vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer
Possible Lean or Rich Fuel Mixture Cause	Solution
Low or contaminated fuel	Add or change fuel and clean the fuel system
Low octane fuel	Replace with recommended fuel
Clogged fuel filter	See your dealer
Incorrect jetting	See your dealer
Overuse of choke	Inspect, clean and/or replace spark plugs
Fuel is very high octane	Replace with lower octane fuel

TROUBLESHOOTING

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
Overuse of choke	Inspect, clean and/or replace spark plugs
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Low battery voltage	Recharge battery to 12.5 VDC
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer

DIAGNOSTIC DISPLAYS CODE DEFINITIONS

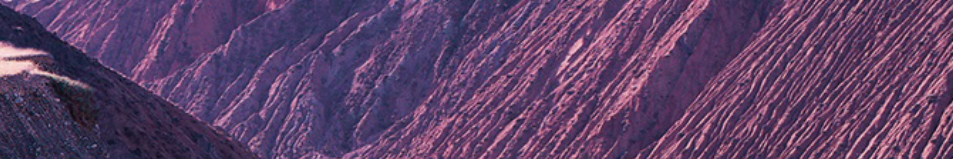
Failure Code	Failure Description
	ECU
P0262	Cylinder 1 Injector Circuit High
P0261	Cylinder 1 Injector Circuit Low
P0201	Injector Circuit/Open – Cylinder 1
P0629	Fuel Pump "A" Control Circuit High
P0628	Fuel Pump "A" Control Circuit Low
P0627	Fuel Pump "A" Control Circuit /Open
P0511	Stepper motor open circuit or unreasonable
P0509	Stepper motor short circuit to 12V power supply
P0508	Stepper motor short circuit to ground
P2300	Ignition coil short circuit to ground fault
P0108	Manifold Absolute Pressure/ Barometric Pressure Circuit High
P0107	Manifold Absolute Pressure/ Barometric Pressure Circuit Low
P0322	Ign./Distributor Eng.Speed Inp.Circ. No Signal
P0113	Intake Air Temperature Sensor 1 Circuit Low
P0112	Intake Air Temperature Sensor 1 Circuit High
P0118	Engine Coolant Temperature Sensor 1 Circuit Low
P0117	Engine Coolant Temperature Sensor 1 Circuit High

TROUBLESHOOTING

Failure Code	Failure Description
P0563	System Voltage High
P0562	System Voltage Low
P0560	System Voltage Not plausible
P0501	Vehicle Speed Sensor “A” Range/Performance
P0123	Throttle position sensor High Voltage
P0122	Throttle position sensor Low Voltage
P0032	O2 Sensor Heater Control Circuit High Bank 1 Sensor 1
P0031	O2 Sensor Heater Control Circuit Low Bank 1 Sensor 1
P0030	O2 Sensor Heater Control Circuit Bank 1 Sensor 1
P0132	O2 Sensor Circuit High Voltage Bank 1 Sensor 1
P0131	O2 Sensor Circuit Low Voltage Bank 1 Sensor 1
P0130	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 1
P0134	O2 Sensor Circuit Bank 1 Sensor 1
P0692	Fan 1 Control Circuit High
P0691	Fan 1 Control Circuit Low
P0480	Fan 1 Control Circuit
P0459	Evaporative Emission System Purge Control Valve Circuit High
P0458	Evaporative Emission System Purge Control Valve Circuit Low
P0444	Evaporative Emission System Purge Control Valve Circuit Open

Failure Code	Failure Description
P0301	Misfire detected
EPS	
E0001	No midpoint of torque is written
E0002	No end point of rotor angle is written
E0003	Memory read write failure
E0004	The main torque sensor is disconnected
E0005	Abnormal output of main torque sensor
E0006	The secondary torque sensor is disconnected
E0007	Abnormal output of secondary torque sensor
E0008	The difference between main and secondary torques is too large
E0009	The difference between the main torque before and after amplification is too large
E0010	Electrical machinery unassisted
E0011	Over electric current
E0012	Abnormal busbar electric current
E0013	CAN communication abnormal (Output abnormally)
E0014	Rotor Angle jump
E0015	The rotor Angle sensor is disconnected
E0016	Power module failure
E0017	Abnormal A phase electric current

Failure Code	Failure Description
E0018	Abnormal C phase electric current
E0019	Steering wheel Angle small gear abnormal
E0020	Steering wheel Angle middle gear abnormal
E0021	Steering wheel Angle jumps
E0022	Steering wheel Angle value exceeds limit
E0023	The steering wheel Angle is not right
E0024	Abnormal voltage at electrical machinery end
T-BOX	
T0001	GPS module failure
T0002	4G module failure
T0003	Bluetooth module failure
T0004	Sensor failure
T0005	Power CAN failure
T0006	Body CAN failure



EMISSION CONTROL SYSTEM

SOURCE OF EXHAUST EMISSION..... 176
EXHAUST EMISSION CONTROL SYSTEM.....177
CRANKCASE EMISSION CONTROL SYSTEM 177
NOISE CONTROL SYSTEM.....177

SOURCE OF EXHAUST EMISSION

The combustion process produces carbon monoxide(CO), oxides of nitrogen (NOx) and hydrocarbons (HC). Control of hydrocarbons and oxides of nitrogen is very important because under certain conditions, they react to form photochemical smog in sunlight. Carbon monoxide does not react in the same way, but it is toxic.

Carbon Monoxide Poisoning: Avoid Engine Exhaust

Engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, drowsiness, nausea, dizziness, confusion and eventually death. The gas is colorless, odorless, and tasteless. As a result, carbon monoxide may be present even if you do not see or smell exhaust. Carbon monoxide can rapidly collect and you can be quickly overcome by it and may be unable to save yourself. Deadly levels of carbon monoxide can also linger for hours or days in poorly ventilated areas. If you experience any symptoms of carbon monoxide poisoning, immediately leave the area, get fresh air, and then seek medical treatment. To protect against carbon monoxide poisoning:

- DO NOT run the engine indoors. Carbon monoxide can rapidly reach dangerous levels and attempts to ventilate engine exhaust with fans or open windows may not protect you.
- DO NOT run engine in unventilated or partially enclosed areas such as garages or carports. If you drive into such an area, turn the engine off as soon as possible. If you must start a vehicle in one of these spaces, drive it out of the space and close the door at your earliest opportunity.
- DO NOT run the engine outside in a location where the exhaust can be drawn or pulled indoors. Beware of any openings, such as windows or doors, where engine exhaust can enter a closed space.

EXHAUST EMISSION CONTROL SYSTEM

The exhaust emission control system includes a EFI system and oxygen sensor.

No adjustment to this system should be made although periodic inspection of the components is recommended.

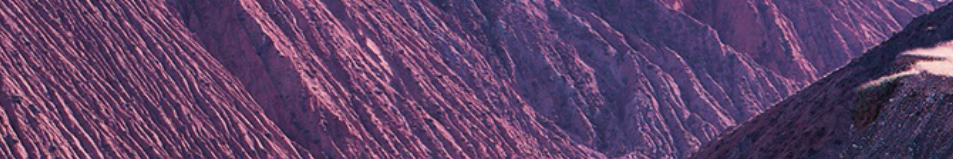
The exhaust emission control system separates from the crankcase emission control system.

CRANKCASE EMISSION CONTROL SYSTEM

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere. Blow-by gas returns to the combustion chamber through the air cleaner.

NOISE CONTROL SYSTEM

Do not modify the engine, air intake or exhaust components, in order to meet local noise level requirements.



WARRANTY

WARRANTY POLICY 179
WARRANTY COVERAGE 179
DETAILS OF THE WARRANTY POLICY 179
WARRANTY INSTRUCTION 180
LIABILITY EXCLUSION 181
SUGGESTIONS FOR VEHICLE MAINTENANCE AND REPAIR 182
EMISSION CONTROL SYSTEM WARRANTY 182

WARRANTY POLICY

WARRANTY COVERAGE

Segway provides users with TWO (2) YEAR warranty service for the entire vehicle.

The following warranty periods are calculated starting from the date when the warranty begins, and the warranty period ends when the warranty time expires.

DETAILS OF THE WARRANTY POLICY

Warranty Type	Vulnerable Parts	Special Spare Parts	Warranty for the Whole Vehicle
Warranty Period	30 Days	90 Days	TWO (2) YEAR
Warranty Contents	Part Costs + Labor Hour Costs	Part Costs + Labor Hour Costs	Part Costs + Labor Hour Costs
Warranty Details	Battery、Spark Plug、 Air Filter、Oil Filter、Fuel Filter	Front end accessory drive belt、Torque Converter、Rim、Tire、Brake Pad、Brake Disc、Hub Bearing Unit、Shock Absorber、Steering Column Bearing and its Seal、Rubber Components、Engine Mount、Rubber Protective Sleeve、Winch (if equipped)、Appearance defects of body plastic parts、Rocker Arm Ball Joint and Joint Bearing	Other parts not specified in the details (excluding various oils and gifts)

WARRANTY

WARRANTY INSTRUCTION

1. During the warranty period, for vehicle quality issues arising from material defects or manufacturing processes, Segway-authorized dealers will conduct inspections. Upon verification that the issue falls within the warranty scope, they will provide free warranty services, including parts and labor costs, to restore the normal functions of the vehicles.
2. The following conditions and rules need to be fulfilled during the warranty period:

   a) Repairs during the warranty period can only be carried out at Segway-designated authorized dealers.

   b) During the vehicle's usage, it must be used, maintained and serviced in strict accordance with the instructions in the "User Manual".

   c) Adjustments, maintenance, repairs, installations and modifications during the warranty period can only be carried out at Segway-designated authorized dealers.

   d) When applying for warranty, users must present all relevant vehicle documents (i.e., vehicle purchase certificates, maintenance certificates from authorized dealers, and the original or photos of the vehicle registration certificate).

   e) The vehicle information (VIN, serial number, mileage, etc.) shall not be tampered with or damaged.
3. Accessories replaced under warranty shall become the property of Segway.
4. For accessories replaced due to vehicle quality issues caused by material defects or manufacturing processes, the warranty period shall be the remaining duration of the original warranty for that specific accessory, ending when the original warranty expires.
5. Segway shall not be liable for any commitments made by third parties or individuals beyond the scope of this policy.

LIABILITY EXCLUSION

The following situations will not be covered by the warranty service for the faults or consequential damages:

1. Faults occurring beyond the warranty period;
2. The vehicle being used in various competitions;
3. The purchased vehicle having been informed in writing of defects that do not violate laws and regulations;
4. Damages caused by failure to use, maintain or service the vehicle in accordance with the user manual;
5. Damages caused by modification, adjustment or disassembly of the vehicle;
6. Installation or use of parts or accessories that are not equivalent in quality to the original parts;
7. Abnormal wear and tear of parts caused by improper repair or assembly;
8. Extended damages caused by improper handling of the vehicle by the user after a quality problem occurs;
9. Use of fuel, engine oil or lubricants that do not meet the requirements of the vehicle;
10. Damages or indirect damages caused by accidents, human negligence, environmental factors such as natural disasters or other force majeure;
11. Failures caused by the use environment exceeding the normal operating conditions of the vehicle (such as a shorter remote control distance or inoperability caused by environmental electromagnetic interference, etc.);
12. Wear and tear of parts caused by natural abrasion;
13. Rust and corrosion of parts caused by use and storage environmental factors;
14. Segway only covers the accessory costs and labor costs for repairs. The warranty does not include other loss expenses caused by faults, including but not limited to towing fees,

parking fees, toll fees, transportation fees, hotel expenses, meal expenses, handling fees, vehicle rental fees, loss of holidays, personal time costs, telephone fees, taxi fees, loss of income, etc.

SUGGESTIONS FOR VEHICLE MAINTENANCE AND REPAIR

To ensure your vehicle is in optimal condition, maintains the highest safety standards, and enjoys an extended service life after repairs and maintenance, while avoiding issues caused by improper servicing, we recommend having your vehicle repaired and maintained by Segway-authorized dealers. These dealers possess extensive experience working on Segway vehicles, have access to the latest repair documentation, and are equipped with specialized tools and genuine original parts required for Segway vehicles.

EMISSION CONTROL SYSTEM WARRANTY

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The U.S. Environmental Protection Agency, and **Segway Powersports Inc**. (hereinafter "**Segway Powersports**")are pleased to explain the emission control system warranty on your 2027 ATV. Segway Powersports must warrant the emission control system on your vehicle for 5,000 km or for 30 months, or 500 hours, whichever comes first, provided that there has been no abuse, neglect or improper maintenance of your vehicle.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic converter and engine computer, if it is equipped. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, Segway Powersports will repair your vehicle at no cost to you, including diagnosis, parts and labor.

If an emission-related part on your vehicle is defective, the part will be repaired or replaced by Segway Powersports. This is your emission control system defects warranty.

NOTICE! Use of any Segway Powersports vehicles in any type of competitive event completely and absolutely voids this and all other warranties offered by Segway Powersports.

Part Name	Part Number	Part Manufacturer
Emission Control System		
Catalyst	A03A31221001	SINOTECH Company Limited
Heated Oxygen Sensor	LD1280	United Automotive Electronic Systems Co., Ltd.
Intake Air Temp Sensor	F01R06D001	United Automotive Electronic Systems Co., Ltd.
Coolant Temp Sensor	F01R064905	United Automotive Electronic Systems Co., Ltd.
Throttle Position Sensor	F01R06D001	United Automotive Electronic Systems Co., Ltd.
Manifold Pressure Sensor	F01R06D001	United Automotive Electronic Systems Co., Ltd.
Engine RPM	E01K00300001	Wenzhou Hongteng Auto Appliances Co., Ltd.
Fuel System		
Fuel Tank	A01A50100001	Jiangsu Hengtai Auto Parts Co., Ltd.
Fuel Pump	A01M43000001	Joinhands Auto Spare Parts Co., Ltd.
Fuel Tank Cap	A02A12000001	Pingyang Tailin Auto Parts Co., Ltd.
Fuel cap gaskets	QN-2 NRB	Wenzhou Qineng Electronic Technology Co., Ltd.
Fuel Line	EPA-CHUAN-HUAN-VI15-SAE	Sichuan Chuanhuan Technology Co., Ltd.
Fuel Injector	F01R00MG51	United Automotive Electronic Systems Co., Ltd.
Ignition System		
ECU	MSE 8.0	United Automotive Electronic Systems Co., Ltd.
Coil	F01R00A173	United Automotive Electronic Systems Co., Ltd.
Spark Plug	B7RTC	Zhuzhou Torch Spark Plug Co., Ltd.
Crankcase Emission Control System		
Air Cleaner	A01A21000001	Hebei Yongsheng Auto parts Manufacturing Co., Ltd.

WARRANTY

OWNER'S WARRANTY RESPONSIBILITIES

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Segway Powersports recommends that you retain all receipts covering maintenance on your vehicle, but Segway Powersports cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to the Segway Powersports' dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should be aware that Segway Powersports may deny your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you use your vehicle in any type of competitive event, this warranty is immediately and completely void.

If you have any questions regarding your warranty rights and responsibilities, you should contact Segway Powersports Inc 5308 W Plano Pkwy, Plano, TX 75093, TEL: 800-887-2887

Segway Powersports warrants that each new 2027 and later Segway Powersports's ATV:

A. is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the United States Environmental Protection Agency, and

B. is free from defects in material and workmanship which cause such vehicle to fail to conform with applicable regulations of the United States Environmental Protection Agency for the periods specified above.

I. Coverage. Warranty defects shall be remedied during customary business hours at any authorized Segway Powersports' dealer located within the United States of America in compliance with the Clean Air Act and applicable

regulations of the United States Environmental Protection Agency. Any part or parts replaced under this warranty shall become the property of Segway Powersports.

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

A. Repair or replacement as a result of

(1) accident,

(2) misuse,

(3) repairs improperly performed or replacements improperly installed,

(4) use of replacement parts or accessories not conforming to Segway Powersports'specifications which adversely affect performance and/or,

(5) use in competitive racing or related events.

B. Inspections, replacement of parts and other services and adjustments required for required maintenance.

C. Any vehicle equipped with an odometer or hour meter on which the odometer mileage or hour meter reading has been changed so that actual mileage cannot be readily determined.

III. Limited Liability

A. The liability of Segway Powersports under this emission control system warranty is limited solely to the remedying of defects in material or workmanship by an authorized Segway Powersports' dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the vehicle or transportation of the vehicle to or from the Segway Powersports' dealer. Segway Powersports shall not be liable for any other expenses, loss or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the vehicle for any purpose. Some states do not allow

the exclusion or limitation of any incidental or consequential damages, so the above limitations may not apply to you.

B. No express emission control system warranty is given by us except as specifically set forth herein. Any emission control system warranty implied by law, including any warranty of merchantability or fitness for a particular purpose, is limited to the express emission control system warranty terms stated in this warranty. The foregoing statements of warranty are exclusive and in line of all other remedies. Some states do not allow limitations on how long an implied warranty lasts so the above limitations may not apply to you.

C. No dealer is authorized to modify this Segway Powersports Limited Emission Control System Warranty.

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

V. This emission control system warranty is in addition to the standard limited warranty for all vehicles.

VI. Additional Information. Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, Segway Powersports is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins on the date the vehicle is delivered to an ultimate purchaser.

Segway Powersports Inc

5308 W Plano Pkwy, Plano, TX 75093

USA

TEL: 800-887-2887