SEGWAY

SEGWAY TECHNOLOGY CO., LTD.

POWERSPORTS.SEGWAY.COM

Vision : 20260615 V1.1
A12-L200010-000-01





SEGWAY

OWNER'S MANUAL

SGW1000F-A3/A7
SGW1000F-A9/A10
SGW1000F-A11/A12
SGW1000F-A13/A14

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.

WELCOME

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

For your driving safety, you must read this manual before riding. This manual contains a large number of safety instructions, operation instructions, maintenance instructions and safety warnings.

A careful reading of this manual will help you to quickly understand the vehicle and your full driving to help.

Periodic maintenance procedures are included in this manual and are performed regularly to assist in your vehicle safety.

⚠ WARNING

Read, understand, and follow all of the instructions and safety precautions in this manual and all product labels.

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

Segway Mobility App

IMPORTANT NOTICE

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

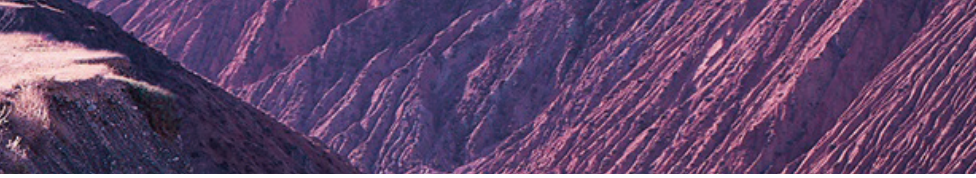
Before driving the vehicle, please understand the local laws and regulations, choose the allowed road driving, abide by the local traffic regulations.

This manual applicable to the ATV fuel series and describes all equipment including optional components. Therefore, some of the optional equipment described in the manual may be not installed on your vehicle.

All specifications provided in this manual are up to date at the time of printing. However, due to continuous product improvement, the contents of this manual will be updated at any time without prior notice. The descriptions and/or procedures in this publication are for informational purposes only. Take no responsibility for omissions or inaccuracies. Express prohibition or reuse of descriptions and/or programs contained in whole or in part.

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

Login on **http://powersports.segway.com** query the nearest Segway dealer or service locations.



INDEX

SAFETY INTRODUCTION	1
VEHICLE DEVICE	22
OPERATION	61
MAINTENANCE, STORAGE AND TRANSPORTATION	85
SPECIFICATIONS	152
TROUBLESHOOTING	163
EMISSION CONTROL SYSTEM	178
WARRANTY	196

INTRODUCTION BEFORE YOU RIDE

This SEGWAY vehicle is an on-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 an result in severe injury or death. Your SEGWAY vehicle is not toy and can be hazardous operate .This vehicle handles differently from cars, trucks or the on-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 that came with your vehicle. Understand all safety warnings, precautions and operating procedures before operating the vehicle. Keep this manual with the vehicle.
- Never operate this vehicle without proper instruction. Take an authorized training course .See the Safety Training section for more information.
- This vehicle is an ADULT VEHICLE ONLY .You MUST be at least age 16 and have a valid driver's license to operate this vehicle.
- Always use the cab nets (or doors) while riding in this vehicle. Always keep hands, feet and all other body parts inside the vehicle at all times.

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

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

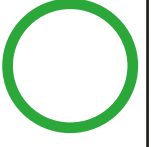
CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

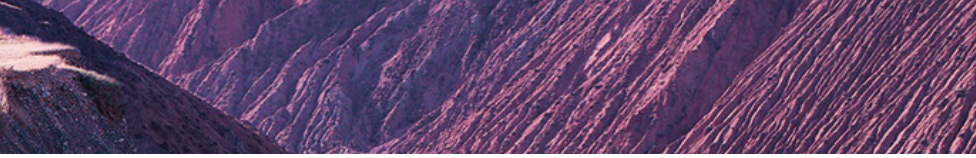
CAUTION

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

WARNING LABELS **3**
SPECIAL SAFETY MESSAGES **6**
IMPORTANT SAFETY INFORMATION **9**
READING THE MANUAL 9
SAFE DRIVING AGE 10
USING ALCOHOL OR DRUGS 11
RIDING EQUIPMENT 12
VEHICLE MODIFICATION 14
PASSENGERS 15
CONTACT EXHAUST 16
UNAUTHORIZED USE OF THE VEHICLE 17
FUEL SAFETY 17
FAILURE TO INSPECT BEFORE OPERATING 18
IMPROPER TIRE MAINTENANCE 18
OPERATING ON FROZEN BODIES OF WATER 19
OPERATING AT EXCESSIVE SPEEDS 19
HOT EXHAUST SYSTEMS 20
OPERATING A DAMAGED VEHICLE 20
SKIDDING AND SLIDING 20
OPERATING IN UNFAMILIAR TERRAIN 21
IMPROPER HILL CLIMBING 21
DESCENDING HILLS IMPROPERLY 21

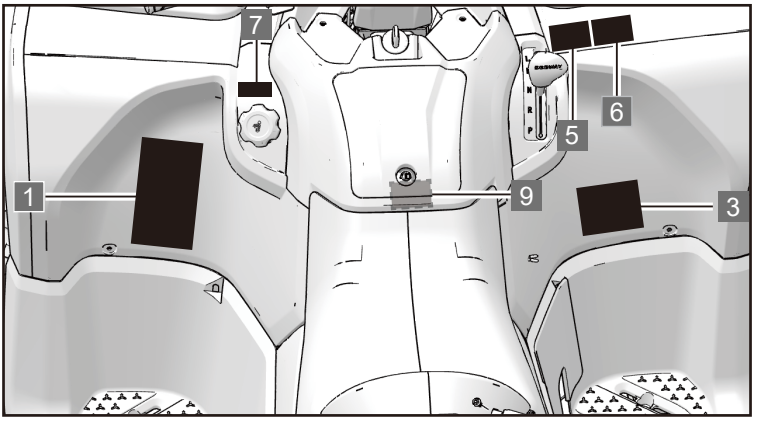
SAFETY INTRODUCTION

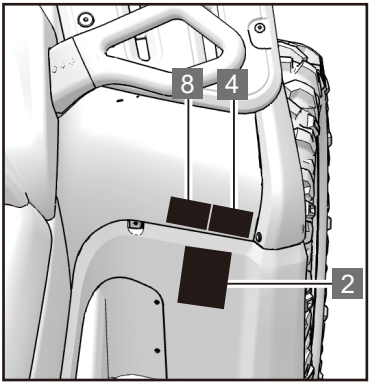
SEGWAY

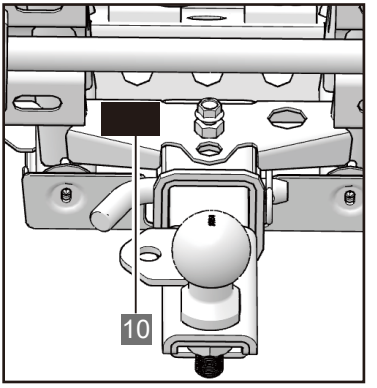
Failure to follow the warnings and safety precautions in this manual may result in serious injury or death. It can be dangerous to operate an ATV without proper instruction. AN ATV is driven differently from other vehicles, such as motorcycles and automobiles. If proper precautions are not taken, a collision 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.

WARNING LABELS

Warning labels have been placed on the vehicle for your protection. Read and follow the instructions on the labels carefully. If any of the labels depicted in this manual differ from the labels on your vehicle, always read and follow the instructions on the vehicle. If any label becomes illegible or comes off, contact Segway Powersports to obtain a replacement.







1

⚠ WARNING

Improper ATV use can result in SEVERE IN JURY or DEATH.



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR



NEVER CARRY MORE THAN 1 PASSENGER



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.

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

2

⚠ WARNING



Passengers under 12 are prohibited.
Passenger should be well seated & hold tight the handgrip during public road operation.



Passenger seat could be used during public roads operation.
Passenger seat shall not be used during field operation.

3

⚠ 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**.

4

⚠ WARNING

•DO NOT TOW FROM RACK OR BUMPER.
Vehicle damage or tipover may result in severe injury or death. Tow only from tow hooks or hitch.

- **Max Rack Loads: Front 88 lbs (40kg) Rear 132lbs (60kg)**

⚠ WARNING

•DO NOT TOW FROM RACK OR BUMPER.
Vehicle damage or tipover may result in severe injury or death. Tow only from tow hooks or hitch.

- **Max Rack Loads: Rear 132lbs (60kg)**

MUD

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

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.

7



8

⚠ 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)

9

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.

10

⚠ WARNING

Improperly loading a trailer may cause loss of control. Evenly balance the load.

- Maximum unbraked towing mass **450 kg (992 lb)**
- Maximum unbraked tongue mass **95 kg (210 lb)**
- Maximum inertiabraked towing mass **700 kg (1543 lb)**
- Maximum inertiabraked tongue mass **95 kg (210 lb)**

SGW1000F-A3/A7/A9/A11/A12

⚠ WARNING

Improperly loading a trailer may cause loss of control. Evenly balance the load.

- Maximum unbraked towing mass **350 kg (771 lb)**
- Maximum unbraked tongue mass **95 kg (210 lb)**
- Maximum inertiabraked towing mass **700 kg (1543 lb)**
- Maximum inertiabraked tongue mass **95 kg (210 lb)**

SGW1000F-A13

⚠ WARNING

Improperly loading a trailer may cause loss of control. Evenly balance the load.

- Maximum unbraked towing mass **400 kg (882 lb)**
- Maximum unbraked tongue mass **95 kg (210 lb)**
- Maximum inertiabraked towing mass **700 kg (1543 lb)**
- Maximum inertiabraked tongue mass **95 kg (210 lb)**

SGW1000F-A10/A14

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. The possible danger of burns if the brakes are touched after a prolonged use of the vehicle. 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.



USING ALCOHOL OR DRUGS

⚠ WARNING

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

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



RIDING EQUIPMENT

⚠ WARNING

For your safety, we strongly recommend that you always wear an approved motorcycle, 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

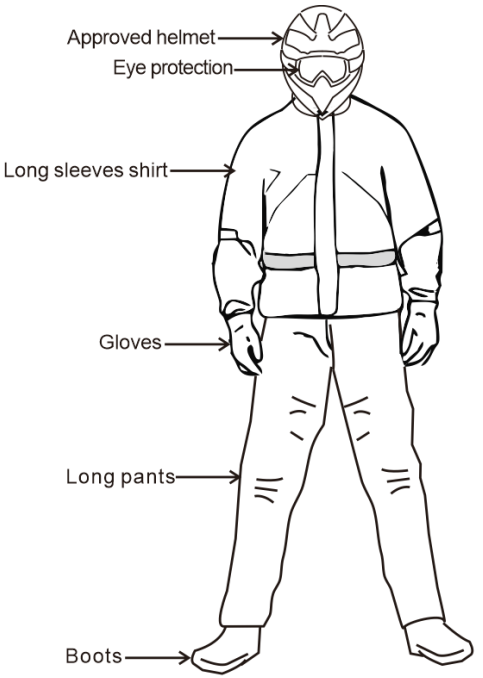
Sturdy off-rode motorcycle boots to help protect your feet, ankles, and lower legs.

On-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.

⚠ WARNING

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.



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 reduces 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.

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.



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 .
- 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

- Operation 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.

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.

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 seat belts, rollover protection devices, brakes, throttle and steering systems.

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.

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.



VEHICLE DEVICE

VEHICLE ACTIVATION **24**
UNLOCK VEHICLE 25
APP FUNCTION **25**
CONTROLS **26**
IGNITION LOCK 27
LEFT HANDLE SWITCH 28
WINCH SWITCH (IF EQUIPPED) 30
TWO OR FOUR-WHEEL DRIVE SWITCHING SWITCH (NO REAR AXLE DIFFERENTIAL) 30
TWO OR FOUR WHEEL DRIVE SWITCHING SWITCH (WITH REAR AXLE DIFFERENTIAL) 32
ACCELERATOR 34
SIRI SWITCH (OPTIONAL) 34
SPEED SWITCH(ONLY APPLICABLE TO ABS MODELS) 35
INSTRUMENT PARTS (OPTIONAL) **37**
INSTRUMENT INDICATOR LIGHT/WARNING LIGHT 37
SCREEN FUNCTION SETTING 43
INTEGRATED DASHBOARD (OPTIONAL) **44**
GEAR SHIFTER OPERATION 47
MAIN BRAKE 48
AUXILIARY BRAKE 48
PARKING BRAKE 49
PARKING BRAKE LEVER FREE CLEARANCE 50
FOOT BRAKE LEVER ADJUSTMENT 51
EQUIPMENT COMPONENT **52**
AUXILIARY OUTLET (CONFIGURE INSTRUMENTS) 53



VEHICLE DEVICE

AUXILIARY OUTLET/USB SOCKET (EQUIPPED WITH INSTRUMENT CENTRAL CONTROL BODY MACHINE) 53
FUEL FILLER SPOUT 54
BACKREST 55
SEAT 56
DRIVER'S TOOL SET 56
PASSENGER SEAT HANDLE 57
FOOT PEDALS 57
STORAGE BOX 58
FRONT AND REAR RACKS 59
HANDLE BAR 60

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.

First, search and download the "Segway Mobility" APP from the "Apple® App Store®" or "Google Play® store" on your mobile phone, and activate the vehicle through the APP.

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 161) or on the vehicle nameplate (see Page 162).

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.

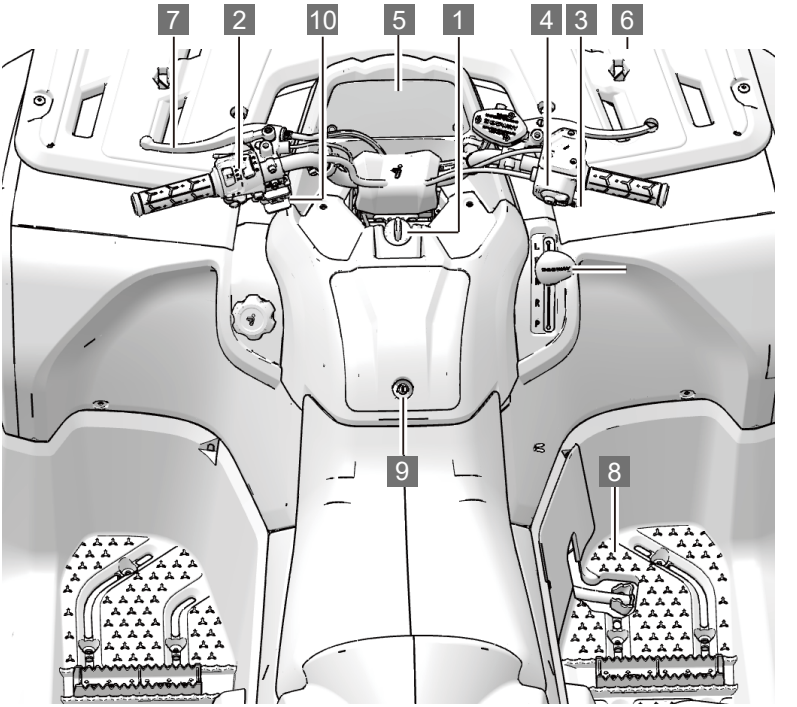
Mechanical key unlock is the optimal unlock method for vehicles. If you do not want to use the sensor unlock function, the sensor unlock setting can be turned off in the APP.

APP FUNCTION

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

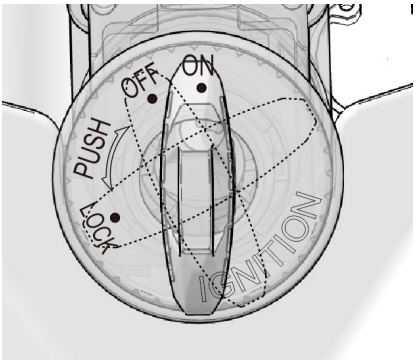
Main features: driving control analysis, vehicle data analysis, etc.

CONTROLS



1 **Ignition Lock**
2 **Left handle Switch**
3 **Accelerator**
4 **2/4 WD Switch**
5 **Instrument**
6 **Gear shift Level**
7 **Brake/Parking Lever**
8 **Brake Pedal**
9 **Storage box Lock**
10 **Winch switch**

IGNITION LOCK



“ON”: **Power On**

“OFF”: **Power Off**

“LOCK”: **Steering Lock**

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

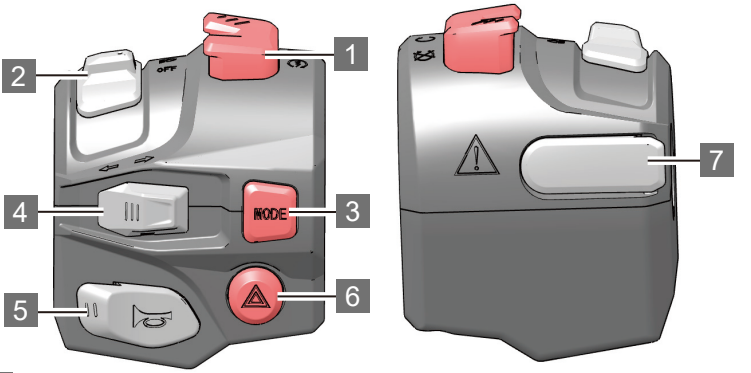
Turn the key to position “ LOCK ”: Lock the rotation direction of the vehicle, so that the vehicle direction is in a fixed position.

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.

Turn the key to the START position to engage the electric starter. See the starting the engine section for starting procedures.

LEFT HANDLE SWITCH



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. Tighten 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 light 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 " ≡D " : Turn on the vehicle near-light in the mode of near-light.

" OFF " : Headlights off, daytime running lights on.

Position light mode " ≡DC≡ ": Position light mode: Turn on the vehicle position light, and the "≡DC≡" 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 Mode switch

Sport Mode " S ": Press the "MODE" button, Open sports mode, The instrument displays"S". This mode can increase the RPM of engine, the vehicle power is stronger, the speed is faster, and the fuel consumption is more. It is recommended not to start in sport mode.

Economy mode: "MODE" button pops up. Under the condition of ensuring the power of the vehicle, this mode can effectively allow the vehicle to save fuel, reduce fuel use as much as possible, and enhance fuel economy.

4 Left right steering switch

Switch Slides to the left, left turn signal on. At this point, the " " chart of the meter is brightly punctuated.

Switch slides to the right, right turn signal on. At this point, the " " chart of the meter is brightly punctuated.

Turn off the turn signal in the middle position.

5 Horn Switch " " .

6 " " Emergency switch

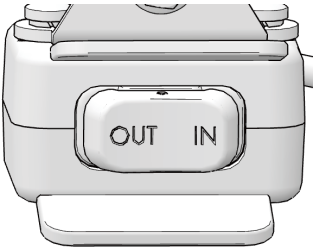
Use this switch in case of emergency, press the switch to start, and press stop again.The vehicle position light flashes when the emergency switch is on.

- Temporary parking of vehicles. · Failure of the vehicle.
- When the vehicle encounters other emergencies.

7 Force-multiplier switch

Increase the maximum speed limit of the vehicle in 4WD lock mode (speed limit 30KM/h). When the vehicle on 4WD locked (instrument shows 4WD locked symbol " "), the vehicle speed limit to 30km/h, at this time, if the vehicle has insufficient power because of terrible road conditions, you can keep holding press this switch, the vehicle will lift the speed limit and enhance the power, it maybe help you out of trouble.

WINCH SWITCH (IF EQUIPPED)

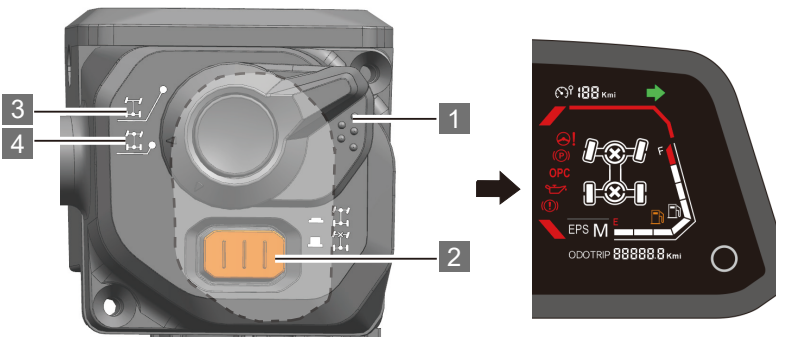


OUT: Release the winch wire rope

IN: Retract the winch rope

The winch is used to drag the load, understand the correct use of the winch steps and methods, pay attention to the use of safety matters, for the use of the winch instructions and precautions, please refer to the relevant chapters.

TWO OR FOUR-WHEEL DRIVE SWITCHING SWITCH (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.

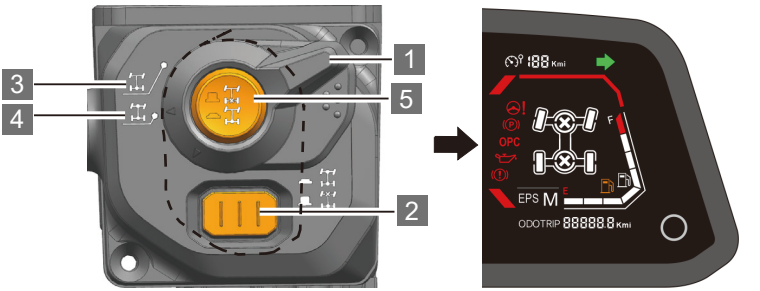
4×4 four-wheel drive mode

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.

TWO OR FOUR WHEEL DRIVE SWITCHING SWITCH (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

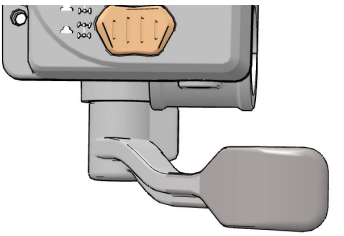
The vehicle must be stopped to engage or disengage 2WD/4WD switch. Mechanical damage may occur if switch is engaged or disengaged while driving.

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		4×4 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

The throttle controls the engine speed, to increase the engine speed, press the throttle lever with your thumb, to reduce the engine speed, release the pressure of the throttle lever, and when you release your thumb, the engine returns to idle.



Accelerator

⚠ WARNING

Before driving, check whether the throttle is normal. If the throttle is stuck or the throttle is not operating properly, it will cause an accident. Do not start or drive the vehicle when the throttle is stuck or the throttle is not operating properly.

SIRI SWITCH (OPTIONAL)

The SIRI switch is located beneath the left handlebar.



NOTICE

This function is only available on vehicles equipped with the 'Integrated Instrument Cluster and Centre Console'.

Press the 'SIRI' button to activate Apple CarPlay's voice functionality, enabling human-machine interaction.

SPEED SWITCH(ONLY APPLICABLE TO ABS MODELS)



“ ” : **Speed limit switch**

“ + ” : **Speed increase button**

“ – ” : **Speed decrease button**

The speed limit function can be turned on and off, both at stationary state (vehicle power on or idle speed) and driving state.

Activate speed limiter mode

When the vehicle is powered on, idling or driving, press the" " switch to enter the speed limit mode, at this time the speed limit icon " 888" on the instrument lights up.

1、Stationary state: (vehicle power on or idle speed)

Initial driving speed ⩽ 30 km/h, trun on the speed limit function （press " "）, the default speed limit is 30km/h, then adjust the speed up or down by "+" or "-" (when the speed exceeds 30 km/h), the step is 5 km/h, the upper limit of the adjustment is the maximum speed, the lower limit of 30 km/h.

The units is km/h:

30km/h→35km/h→40km/h→45km/h.....→Maximum speed

2、Driving state

Initial driving speed ⩽ 30 km/h, trun on the speed limit function （press " "）, the default speed limit is 30km/h, then adjust the speed up or down by "+" or "-" (when the speed exceeds 30 km/h), the step is 5 km/h, the upper limit of the adjustment is the maximum speed, the lower limit of 30 km/h.

NOTICE

The speed is displayed in multiples of 5 when the speed limit is set (e.g. 35 km/h after acceleration when the speed is 32 km/h. 40 km/h after acceleration when the speed is 36 km/h)

Deactivate speed limiter mode

1. Press "" while the speed limit mode is on to stop the speed limit mode.
2. The speed limit setting function is automatically disengaged after the key is in the "OFF" position and there is no memory function.
3. Turn off the engine (at this time the key is in the "ON" position) the speed limit function is automatically released, there is no memory function.

INSTRUMENT PARTS (OPTIONAL)

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

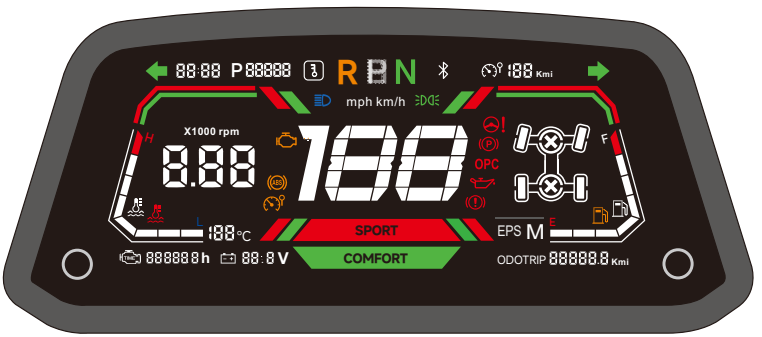
The combination instrument may be damaged by using a high pressure cleaner. Do not clean the instrument with alcohol or corrosive detergent. Corrosive liquid will corrode the surface of the instrument and cause damage to the instrument.

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.

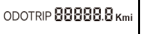
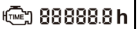


Indicator light/warning indication

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

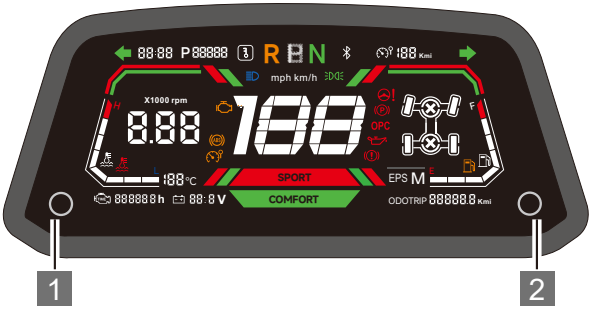
Item	Legend	Functional specifications
Electric steering warning light		Indicates a failure in EPS system (optional equipment, if equipped).
Coolant temperature warning lamp		Indicator light showing excessive temperature of engine coolant. When it lights up and alarms, the engine should be stopped immediately 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)

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
Driving Mode		COMFORT- COMFORT Mode SPORT-SPOTR Mode
EPS On (Only brushless EPS is supported)		M -Normal mode, power normal H -Comfort mode, power light L -Motion mode, booster weight
"ABS" warning light		Indicates a failure in the following system:： • ABS ； • Brake assist system

Item	Legend	Functional specifications
Speed limit setting icon (Only applicable to abs models)		The instrument displays the speed limit icon when the speed limit is on, but not when it is off
Speed limit alarm Indicator (Only applicable to abs models)		In the speed limit mode, when the driving speed is greater than the set speed limit, the speed limit indicator (yellow) flashes and the buzzer alarms at the same time, and the alarm is lifted when the driving speed is ⩽100 km/h.

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		

INTEGRATED DASHBOARD (OPTIONAL)

The integrated dashboard combines the instrument panel and central control unit into a single unit, offering functions including instrument display, entertainment, Bluetooth telephony, radio, navigation, group calling, and vehicle radio. This device is exclusive to Segway series models. Upon use, you will find it delivers enhanced pleasure and convenience. This manual provides only a brief overview of the instrument. For explanations of indicator lights, please refer to the dashboard section. For central control functions and operational information, please carefully read the electronic user manual of the instrument center control integrated dashboard. You will find guidance on operating the instrument, enabling you to fully utilize its capabilities.

⚠ CAUTION

- **While driving, minimize screen viewing time. Prolonged focus on the display may cause driver distraction and lead to accidents. Operate the system only after safely stopping the vehicle in a secure area.**
- **Please ensure no water or foreign objects enter the product interior, as this may cause short circuits, fires, or other hazards. If liquid ingress occurs and abnormal conditions such as smoke emission arise, immediately cease use. Continued operation may result in product damage. Contact your dealer for service.**
- **When wiping the touchscreen, power off the device or use lock screen mode to prevent accidental button presses that could cause other malfunctions. Use a soft, dry cloth for cleaning. Do not use coarse cloths or chemical cleaners containing corrosive agents, as these may damage the screen.**
- **Never hit the screen with hard objects.**
- **Avoid prolonged direct exposure to strong light.**
- **Non-professional repairs may cause temporary or permanent display failure. If issues arise, contact your dealer for service.**

NOTICE

Prolonged use of the display with the vehicle engine off may drain the battery, potentially affecting vehicle startup.

Main Interface After Power-Up



Instrument Cluster – Central Control Switching Operation

Upon powering up, the instrument cluster interface displays. Swipe the screen from right to left to reveal the central control interface. The central control interface will then appear on the right side of the screen, with the instrument cluster displayed on the left. Swipe from left to right to close the central control interface.

Instrument Cluster

Refer to the instrument cluster section for explanations of indicator lights.

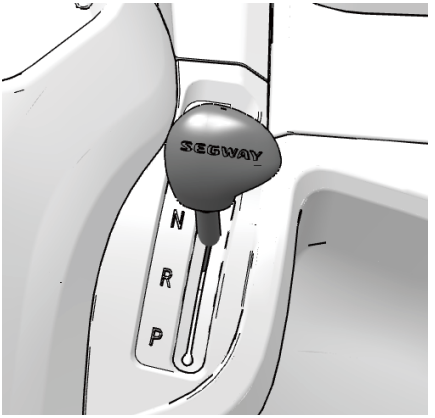
Central Control

Refer to the electronic version user manual of the instrument panel central control integrated dashboard for central control functions and operations.

Navigation Bar Icons	Name	Function
	User Center	Users can log in. Features like maps and teaming require login.
	Multimedia	Supports local music playback (USB music), Bluetooth music, and radio.
	Voice Call	Supports dial pad, contacts, and call history.
	Map	Geographic information display: location/route、map search、tracking、Trajectory following、Record location (offline)、My Collection
	Settings	Configure Bluetooth settings, Wi-Fi settings, audio settings, display settings, vehicle settings, language settings, and system settings
	Vehicle	Display vehicle pitch angle, G-force, and dynamic data Consult the owner's manual
	App List	Displays all installed apps. Select and click the desired app to use it.

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 tap position description:



L **Low speed**

H **High speed**

N **Neutral**

R **Reverse**

P **Parking**

NOTICE

When the vehicle speed is lower than 20KM/H and driving for more than 10 minutes, please make sure to use "L" gear.

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

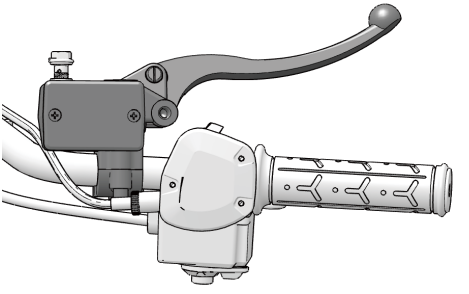
If you change the gear when the engine is in idle speed or the vehicle is moving, it can cause transmission damage. Please place the transmission in parking gear and lock the parking brake when nobody drives the ATV.

MAIN BRAKE



The foot brake is the main brake system of the vehicle. 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 cause the vehicle to skid or roll over, so do not use emergency braking when it is not necessary.

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 foot brake.

The auxiliary brakes are located on your right handle. use the

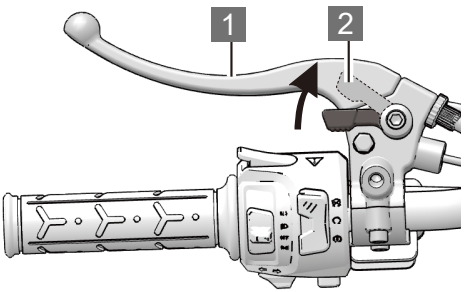
auxiliary brakes to brake the front wheels of the vehicle. If the rear wheels slide while using the auxiliary brakes, the brake lever pressure is reduced to prevent the rear wheels from slipping while braking.

⚠ WARNING

Use the auxiliary brake with caution when riding downhill, the use of the auxiliary brake may result in a sideslip dump or sideways rollover, which could result in serious injury or death.

PARKING BRAKE

The parking brake on the left handlebar side.



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

Using the parking brake:

Place the shifter in "P" and squeeze the parking brake lever and hold. Squeeze the parking brake lever and hold it, rotate the parking brake lock upward, parking is completed when you hear a "click".

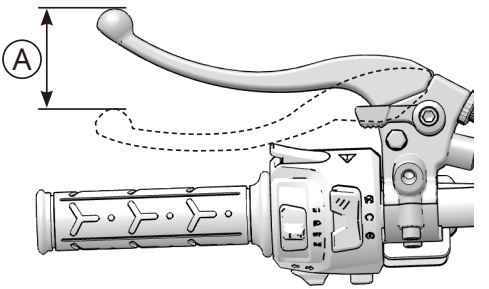
Release the parking brake lever:

Squeeze the parking brake lever, parking brake is released when

you hear a "click".

PARKING BRAKE LEVER FREE CLEARANCE

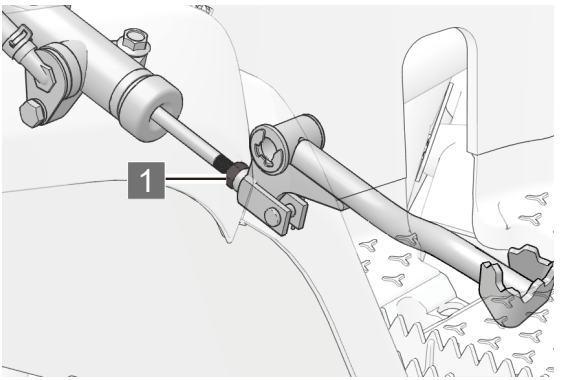
Brake lever brake empty travel



1. Squeeze the parking brake lever with force, squeeze and release the action, repeat a few times, the parking brake lever shall not be stuck.
2. Measure the distance the parking brake lever moves before the brake starts to hold. Free travel (measure the tip of the end of the brake lever) Ⓐ should be: (25-30mm)
3. As the brake pads wear, the travel of the brake handle will increase. Therefore, brake pads need to be checked for wear from time to time and must be replaced when the wear limit

is reached.

FOOT BRAKE LEVER ADJUSTMENT

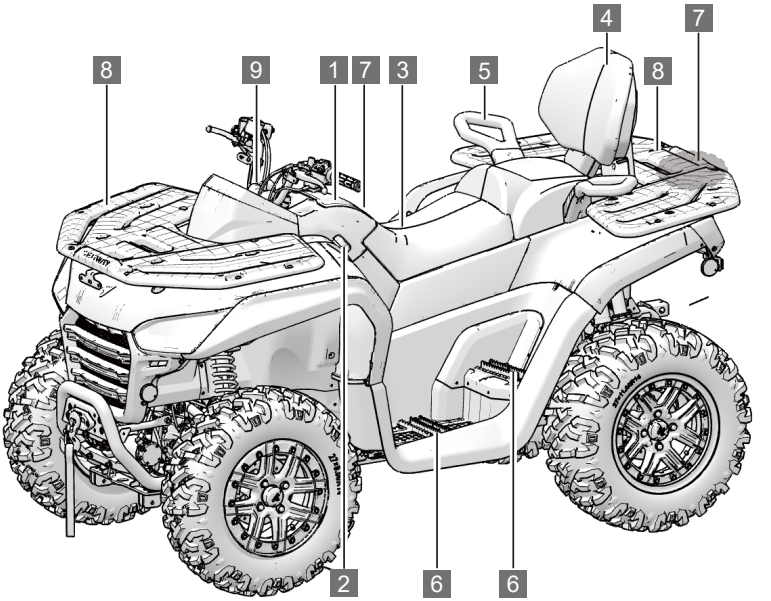


1 Adjusting nut

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 the nut clockwise, foot brake lever down.
- Turn the nut counterclockwise, foot brake lever up.

EQUIPMENT COMPONENT



1 **Auxiliary Outlet**

2 **Fuel filler spout**

3 **Seat**

4 **Backrest**

5 **Passenger Seat Handle**

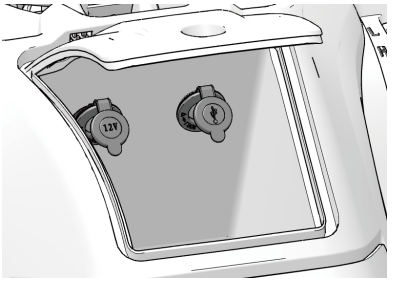
6 **Foot pedals**

7 **Storage box**

8 **Front and rear racks**

9 **Handle Bar**

AUXILIARY OUTLET (CONFIGURE INSTRUMENTS)



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

The vehicle is equipped with two 12V DC ports.

Output power: 12V

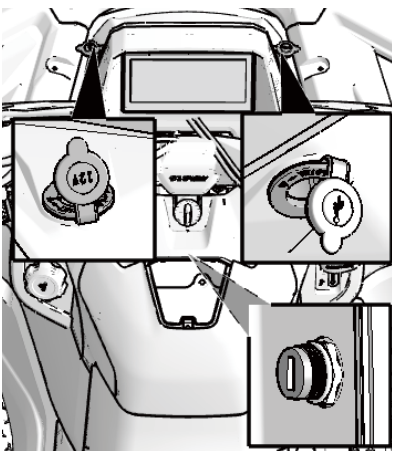
USB port and DC port

Open the lid

Service conditions of power sockets:

Place the ignition key in " ON " mode.

AUXILIARY OUTLET/USB SOCKET (EQUIPPED WITH INSTRUMENT CENTRAL CONTROL BODY MACHINE)



The instrument central control integrated machine is equipped with one USB charging socket and one DC socket on each side.

The front storage box is equipped with one USB socket for playing local USB music through the central control system.

USB charging sockets and DC sockets are available for 12V accessories with a working current of less than 10A.

Service conditions of power sockets:

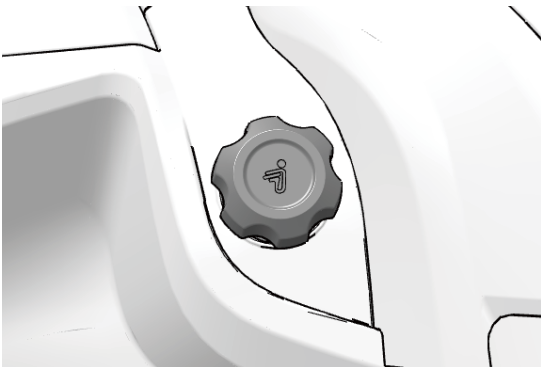
Place the ignition key in " ON " mode.

FUEL FILLER SPOUT

⚠ WARNING

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

Do not touch other persons or objects with static electricity, which may cause static electricity and 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 .

BACKREST

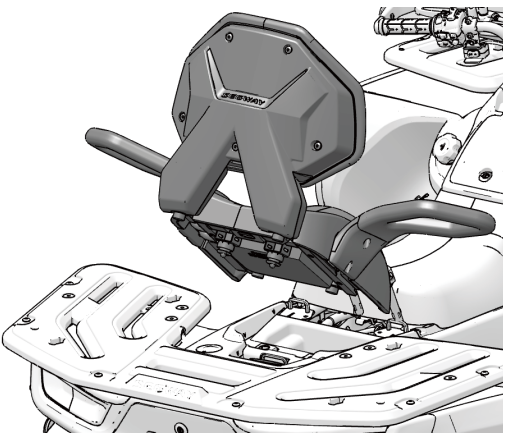
Disassembly

The seat cushion is a quick-release part with a snap.

1. Use your finger to hook the cushion hook and move it upward.
2. When the cushion pops open, move it upwards.
3. The seat cushion is removable.

Install

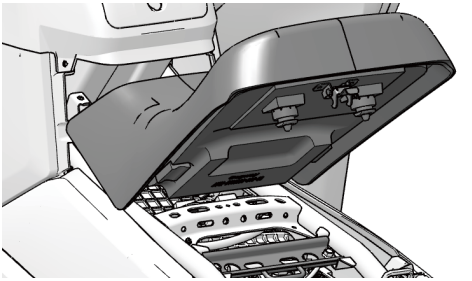
Insert the tab on the front of the seat cushion into the U-bracket welded to the frame, push the seat forward and press the seat down to lock it.



⚠ CAUTION

After the cushion is installed, double-check that the installation is secure.

SEAT



The seat cushion is a quick-release part with a snap.

1. Use your finger to hook the cushion hook and move it upward.
2. When the cushion pops open, move it upwards.
3. The seat cushion is removable.

NOTICE

There are cables connection under the seat cushion, be careful when removing the seat cushion and moving it upward.

Seat cushion install

Insert the tab on the front of the seat cushion into the U-bracket welded to the frame, push the seat forward and press the seat down to lock it.

⚠ WARNING

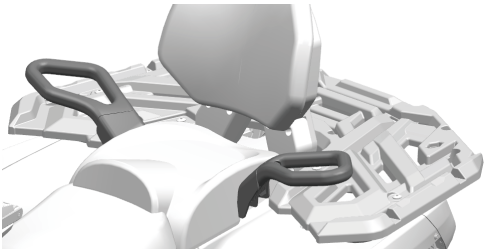
After the seat cushion is installed, carefully check whether the installation is secure.

DRIVER'S TOOL SET

The driver's tool set is located in the storage box underneath the cushion, and the set is equipped with tools for basic maintenance.

PASSENGER SEAT HANDLE

Passenger handrails are located on the left and right sides of the passenger seat.

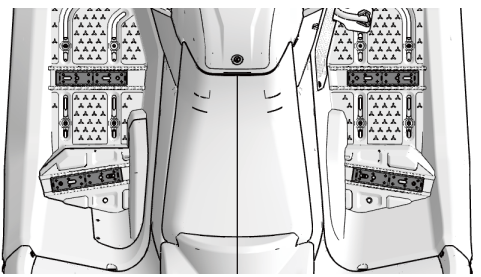


⚠ WARNING

Passengers must hold onto the passenger handrail at all times while riding the vehicle and must keep their feet firmly on the foot.

FOOT PEDALS

Pedal serrations are located on the vehicle's foot pedals.



⚠ WARNING

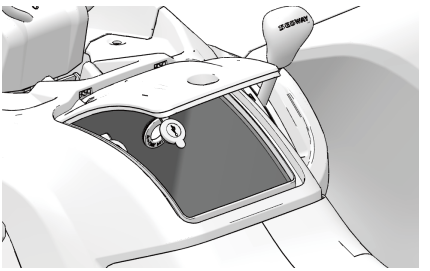
During the operation of the vehicle, both the driver and the passenger must keep both feet on the foot serrations at all times

STORAGE BOX

The vehicle is equipped with 2 storage boxes.

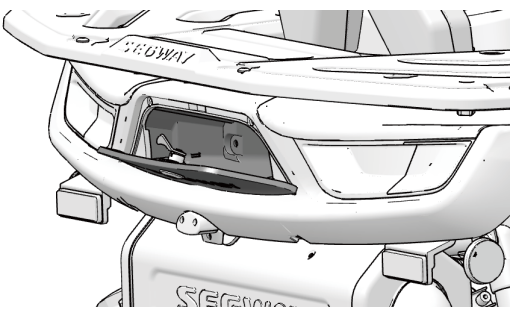
Front storage box

This storage box needs to be opened with a power switch, and the backup power outlet is located inside the storage box.



Rear storage box

The lid of this storage box needs to be opened with the power switch lock. The vehicle tool kit is placed in this storage box, and the tools include tools for basic maintenance.



⚠ CAUTION

Always lock the storage boxes before riding and never place any fragile, flammable or heavy items in the storage box.

FRONT AND REAR RACKS

Racks are used to carry equipment and various other loads and should never be used to carry people.



⚠ WARNING

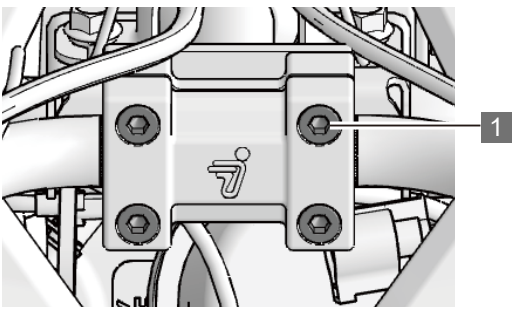
- **Do not carry passengers on racks**
- **Loads must not interfere with the driver's view.**
- **The weight of the load must not exceed the maximum load capacity of the rack.**

HANDLE BAR

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

⚠ WARNING

Improper adjustment of the handles or improper torque of tightening bolts can result in limited or loose of handler steering, loss of control 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)

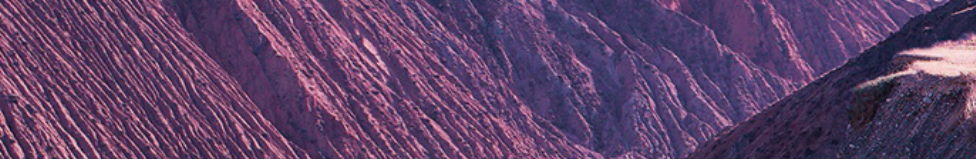
Torque Handlebar bolts	26 N.m

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.



OPERATION

PRE-RIDE INSPECTION **63**
INSPECTION ITEMS **64**
BASIC DRIVING GUIDE **65**
TRAIL ETIQUETTE 65
KNOW YOUR RIDING AREA/TREAD LIGHTLY 65
VEHICLE BREAK-IN PERIOD 65
BREAK-IN PROCEDURE FOR BRAKING SYSTEM 65
CLUTCH/BELT 66
NEW OPERATOR DRIVING PROCEDURES 66
STARTING THE VEHICLE 66
PARK THE VEHICLE 67
TURNING THE VEHICLE 67
DRIVING IN REVERSE 68
TURNING AROUND ON A HILL (K-TURN) 68
DRIVING ON SLIPPERY SURFACES 69
DRIVING THROUGH WATER 69
DRIVING OVER OBSTACLES 70
DRIVING UPHILL 71
DRIVING DOWNHILL 72
DRIVING ON A SIDEHILL 73
PARKING ON AN INCLINE 74
BRAKING 75
PARKING THE VEHICLE 75
BREAK-IN GUIDELINES 76



OPERATION

LOAD LIMITS & GUIDELINES 77
MAXIMUM LOADING CAPACITY 78
LOADING GUIDELINES 78
TRAILER (IF EQUIPPED) 79
WINCH OPERATION 81

This section provides basic operating instructions, including how to start and stop the vehicle, driving tips and considerations when driving on different roads.

Even if you have ridden other scooters, you must take the time to familiarize yourself with how the vehicle operates. Practice in a flat, wide area until you are familiar with the ATV.

⚠ 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.

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	P48~P51
Brake Fluid	Ensure proper level	P119~P120
Auxiliary brake	Ensure correct operation	P48
Front suspension	Check, lubricate if necessary	P128
Rear suspension	Check, lubricate if necessary	P128
Tires	Check status and air pressure	P122
Wheel/Lug Nuts	Check, ensure fasteners airtightness	P125
Fuel Level	Ensure proper level	P54
Coolant	Ensure proper level	P111
Indicator light	Ensure display status	P37~P42
Switches	Ensure operation	P27
Engine switch	Ensure correct operation	P28
Headlights	Check operation	P28
Brake light/tail light	Check operation	P28
Riding equipment	Wear approved helmets, care and protective clothing	P12~P13
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 run-in period is the first 25 hours of operation or the riding mileage which first two full tanks of gasoline are used up. It’s important for you with single operation and proper run-in period. 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 maneuver and use the throttle and brakes on level surfaces.

STARTING THE VEHICLE

1. Turn the ignition switch key to the "ON" position.
2. Step forcefully on the foot brake or press forcefully on the brake handle, and place the transmission “N” gear.
3. Press the engine start/stop switch to the "⏻" position then release it to start the engine.
4. The vehicle is started.Step forcefully on the foot brake.

PARK THE VEHICLE

1. Step on the foot brake and place the transmission in "P" gear.
2. Press the engine start/stop switch to the "⊠" position to stop the engine.
3. Turn the key to the "OFF" position, and the key can be removed from the switch.
4. Lock the handle parking brake lever.Step on the foot brake and set the shifter to the "P" position.

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 atsharp angles. Never turn at high speeds.

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

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.



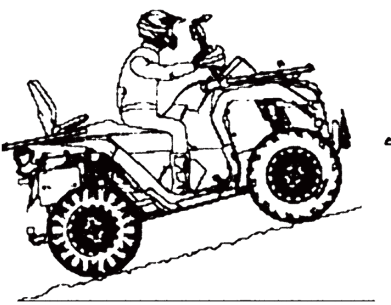
DRIVING UPHILL

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:

- **No passenger：25°**
- **With passenger：15°**



No passenger: 25°



With passenger: 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.

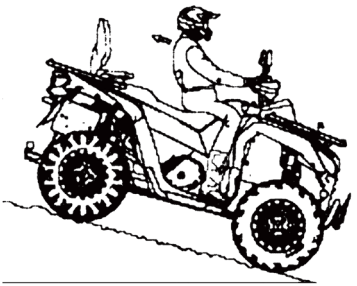
DRIVING DOWNHILL

When driving downhill, follow these precautions:

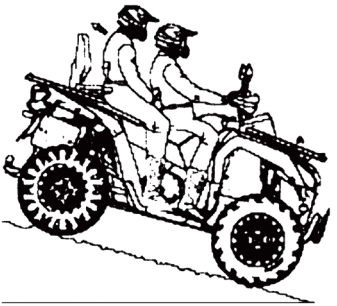
1. Avoid steep hills.

Maximum incline is:

- **No passenger: 25°**
- **With passenger: 15°**



No passenger: 25°



With passenger: 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.

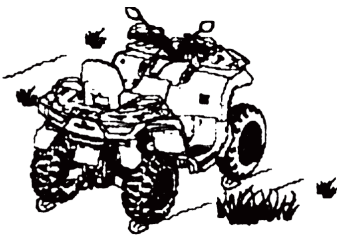


4. If the vehicle begins to tip, quickly turn the front wheel downhill, if possible, or dismount on the uphill side immediately!

PARKING ON AN INCLINE

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

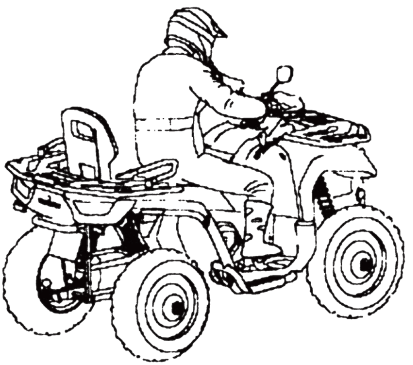




1. Stop the engine.
2. Place the transmission in PARK.
3. Lock the parking brake.
4. Always block the rear wheels on the downhill side.

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)run-in period.

During run-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 traction rod weight. It is important to be aware that the cargo may slip or fall to cause an accident

⚠ WARNING

- **Strictly follow the instructions outlined in the owner's manual of the mounted or trailed machinery or trailer, and not to operate the combination tractor-machine or tractor-trailer unless all instructions have been followed.**
- **Stay clear from the are a between vehicle and trailer.**
- **Reduce speed and allow greater braking distance when carry goods.**
- **The lower the height of the goods on the shelf, the better. Too much cargo on the shelves can destabilize the vehicle's center of gravity and reduce driving stability.**
- **Fix 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.**
- **Take extra care when carrying goods beyond the edge of the shelf. Stability and mobility may be adversely affected, causing the vehicle to tip over.**

⚠ WARNING

- **Do not block the headlight beam when loading on the front shelf.**
- **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).**
- **When the vehicle speed is lower than 20KM/H and driving for more than 10 minutes, please make sure to use "L" gear.**

MAXIMUM LOADING CAPACITY

Don't go beyond the maximum loading capacity.

Vehicle Model	SGW1000F-A3/ A7/A9	SGW1000F -A11/A12	SGW1000F -A10/ A14	SGW1000F -A13
Front Shelf	40kg	——	40kg/——	——
Rear Shelf	60kg			
Maximum unbraked towing mass	450 kg		400 kg	350 kg
Maximum unbraked tongue mass	95 kg			
Maximum inertiabraked towing mass	700 kg			
Maximum inertiabraked tongue mass	95 kg			

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 load the goods on the shelf as far forward as possible. Ensure that the goods loaded on the rack are firmly secured before driving. If the cargo is not secured, it will cause unexpected dumping.

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)

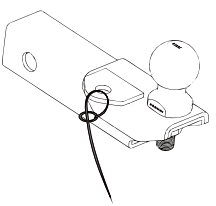
The towing device is a detachable part. It can be removed from the ATV if you are not using a trailer. If you need to tow a load, please be remained that the towing weight does not include the towing device.

- The combination of the weight of the rear rack and the traction 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.

Where a designated attachment point is provided on the towbar:

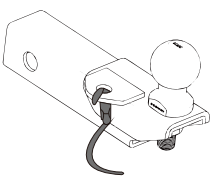
Either:

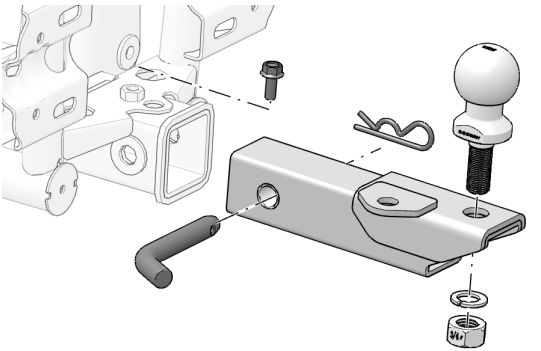
Pass the cable through the attachment point and clip it back on itself.



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 service policy.

Never install vehicle accessories on the ATV. Always install accessories approved (or equivalent) 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 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 drum at least 5 laps.**
- Avoid pulling from extreme angles, as this will cause the rope to be rolled on one end of the barrel and damage the rope.
- Note that the rope-drawing capacity of the winch is the maximum rope-drawing capacity of the first layer, only the first the layer can only be pulled, 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 rope to prevent kinks and uneven rope 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 rope near the hook end. This will prevent the possibility of breaking the rope and help prevent serious injuries and damage.
- **Do not move the winch to assist in hauling heavy objects. It is easy to overload and cause damage to the rope.**
- Pay attention to the dangerous areas and stay away from them during the operation. Dangerous areas are winch drum, fairlead, 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 the operation, please release the load immediately, and do not tighten the cable.
- Always stay away from ropes, hooks and winches.
- Check winches, ropes, hooks, and broken strands of worn rope regularly. When handling the steel rope, please wear thick leather gloves. Do not let the steel rope slip over your hands. Check the steel rope before use. The crushed, pinched, worn or kinked area has seriously reduced the carrying capacity. The damaged steel rope should be replaced. It must be re-wound under a load of about 100 pounds.
- **The clutch should be disconnected first, and then the rope should be pulled by the hook of the protective lever. Do not pull the 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 rope 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 rope, but also when removing the rope from the winch under power.





MAINTENANCE, STORAGE AND TRANSPORTATION

PERIODIC MAINTENANCE 88
MAINTENANCE CHART KEY 89
LIFTING AND SUPPORTING THE VEHICLE 93
FRONT SERVICE COVER REMOVAL (STANDARD) 94
DISMANTLING OF RADIATOR REAR COVER (MUD) 94
FRONT STORAGE BOX REMOVAL 95
LUBRICATING OIL 96
ENGINE OIL MAINTENANCE PROGRAM 97
OIL RECOMMENDATION 97
ENGINE OIL LEVEL CHECK 98
CHANGING ENGINE OIL AND FILTER 100
DRAIN THE ENGINE OIL 101
OIL FILTER CHANGE 102
ADD OIL 103
FRONT/REAR GEAR BOX LIQUID 104
FRONT AXLE GEAR OIL CHECK 104
REAR GEARBOX GEAR OIL CHECK 105
FRONT AXLE/REAR GEARBOX GEAR OIL FILLING 105
CTV DRIVE BELT 107
BELT REPLACEMENT/DEBRIS REMOVAL 107
INSTALL DRIVE BELT 108
CVT DRYING 109
COOLANT 110
RADIATOR INSPECTION 110



MAINTENANCE, STORAGE AND TRANSPORTATION

COOLANT LEVEL CHECK/ADDT(STANDARD) 111
REPLACE ENGINE COOLANT 111
COOLANT LEVEL CHECK/ADDT(MUD) 112
AIR FILTER 113
REPLACING AIR FILTER ELEMENT (STANDARD) 113
REPLACING AIR FILTER ELEMENT(MUD) 114
INTAKE PORT/OUTLET PORT INSPECTION(STANDARD) 115
INTAKE PORT/OUTLET PORT INSPECTION(MUD) 116
BRAKE SYSTEM 117
BRAKE OIL(STANDARD) 118
BRAKE OIL(MUD) 119
FRONT BRAKE FLUID 120
BRAKE COMPONENT 120
TIRE 122
TIRE PRESSURE 122
TREAD DEPTH OF TIRE 123
REPLACE THE TIRES 123
WHEEL COMPONENT REMOVAL 124
WHEEL COMPONENT INSTALLATION 125
SHOCK ABSORBER ADJUSTMENT 126
OIL SHOCK ABSORBER 126
ADJUSTABLE AIR SHOCK ABSORBER 127
SUSPENSION DRIVE LUBRICATION 128
FRONT (REAR) DRIVE SHAFT DUST COVER 129
LAMP 130
LED HEADLIGHT/TAILLIGHT REPLACEMENT 130



MAINTENANCE, STORAGE AND TRANSPORTATION

TAIL LIGHT/REAR TURN SIGNAL REPLACEMENT 131
HIGH BEAM ADJUSTMENT 132
SPARK PLUG 134
SPARK PLUG INSPECTION 134
SPARK PLUG REMOVAL INSTALL 135
SPARK ARRESTER 137
STEERING ASSEMBLY 139
INSPECTION OF STEERING ROD BALL JOINT 139
BATTERY 140
BATTERY DISASSEMBLY 141
BATTERY INSTALLATION 142
BATTERY CHARGING 143
BATTERY INSTALLATION 144
FUSE 145
FUSE BOX 146
FUSE/RELAY DISTRIBUTION AND RATED AMPERAGE 147
FUSE BOX REPLACEMENT 149
APPEARANCE CARE 150
VEHICLE WASHING 150
CLEANING TIPS 150
VEHICLE STORAGE 151
TRANSPORTING THE ATV 151

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/tail-light/ 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 subject-ed to severe use
►	General lubrica-tion	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

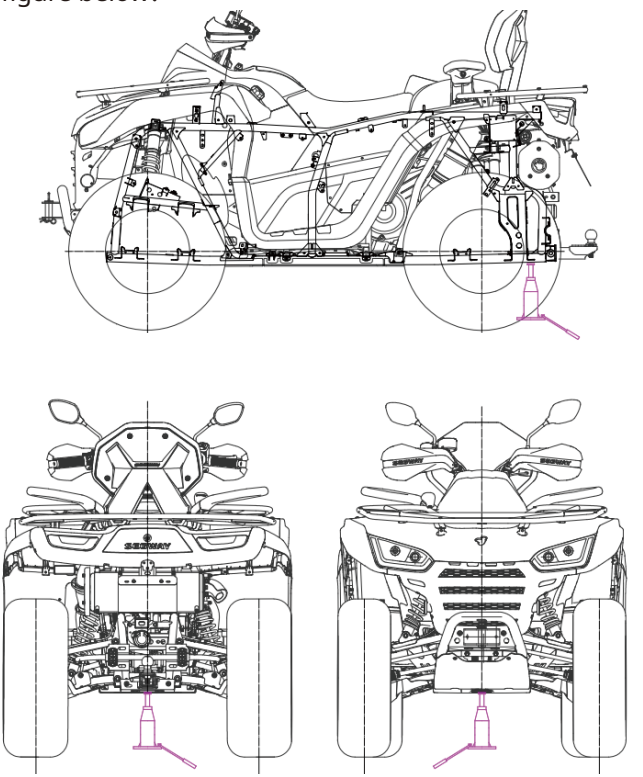
ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)			REMARKS
		HOURS	CALENDAR	MILES(KM)	
►	Oil lines and fasteners	100 H	12 M	1000 (1600)	Inspect for leaks and loose fittings
►	Front gearcase oil	100 H	12 M	1000 (1600)	Change fluid;
►	Rear gearcase oil	100 H	12 M	1000 (1600)	Change fluid
D	Fuel system/filter	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
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
	Spark arrester	300 H	36 M	3000(4800)	Clean out
►	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

LIFTING AND SUPPORTING THE VEHICLE

Place vehicle on a flat non slippery ground. Engage the 4WDmode.

Ensure vehicle shift lever is set to PARK.

When lifting the front or rear of the vehicle, place the jack in the left and right center of the front or rear of the vehicle, as shown in the figure below：



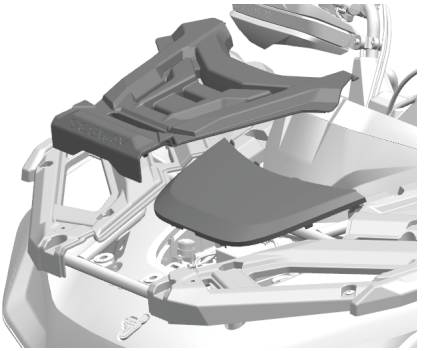
Schematic diagram of jack support position

FRONT SERVICE COVER REMOVAL (STANDARD)

The coolant filler and fuse box are located under the front service cover.

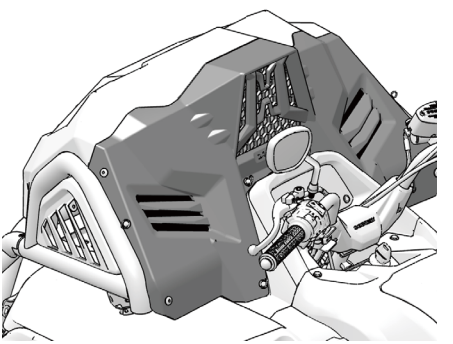
To remove the front service cover, do the following:

The cover plate and front maintenance cover in the front shelf are both buckle structures that can be quickly removed.



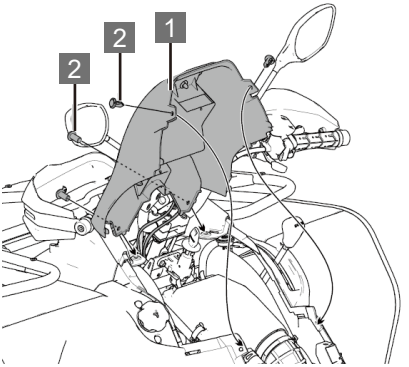
DISMANTLING OF RADIATOR REAR COVER (MUD)

The coolant filling port and fuse box are located under the rear cover of the radiator.
To remove the rear cover of the radiator, please follow these steps:
Remove the fasteners on the radiator rear cover to fold off the radiator rear cover.



FRONT STORAGE BOX REMOVAL

The air filter are located under the front storage box.



1 **Front storage box** 2 **Expansion screws**

1. First remove the seat.
2. Remove the expansion screws in the front storage box with tools.
3. Lift the front storage box upward.

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

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 5W-40 SN or higher	2200 mL	Keep the level in safe range of the oil level window
Front axle gear oil	SAE 80W-90 GL-5	310 mL	Keep the level at the 1/3 position of the window
Rear axle gear oil	SAE 80W-90 GL-5	1200mL	Keep the level in the middle of the window
Coolant	ECO BS -35 ℃ Green	5500 mL	Keep the level between the fill lines.
Brake fluid	DOT4		Keep the level between the fill lines.
Suspension, balance bar grease	Semi-synthetic waterproof grease	——	Grease fittings (maximum 2 pumps) every 800 km.

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

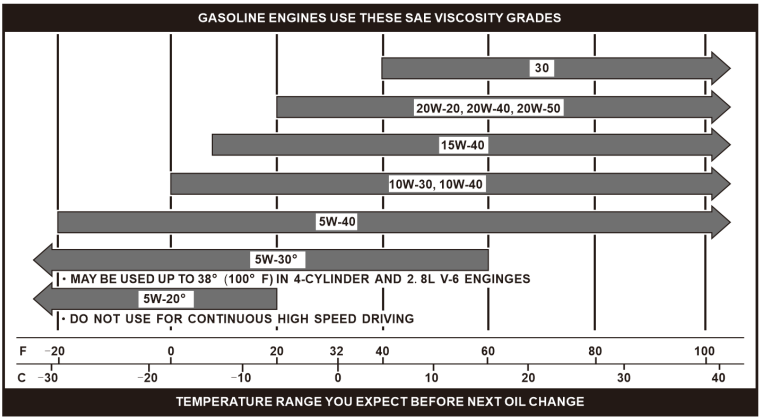
Change the oil filter every time you change the oil.

It is recommended to use the recommended type of oil or similar oil for this engine. Follow manufacturer's recommendations for operating at ambient temperature.

⚠ 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.



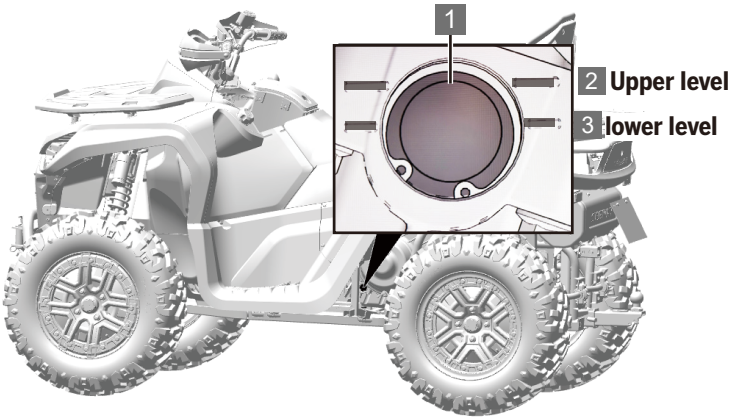
ENGINE OIL LEVEL CHECK

NOTICE

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

The oil level can be checked through the oil window on the left side of the engine.

1. Park the vehicle on a horizontal ground.
2. Idling the engine for 3 minutes to allow the oil to flow back to the bottom of the engine.
3. Check the oil level through the oil window, The oil level is between the Upper engraved line and the Lower engraved line. 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. Add if the oil level is low.



1 Oil level window 2 Upper level 3 Lower level

4. If the oil level is too low and oil needs to be added, perform the oil addition procedure.

CHANGING ENGINE OIL AND FILTER

This procedure requires certain mechanical skills, specialized tools (torque wrenches), and how to handle the discharge of fluids. If you don't have the skills or tools, consult your dealer.

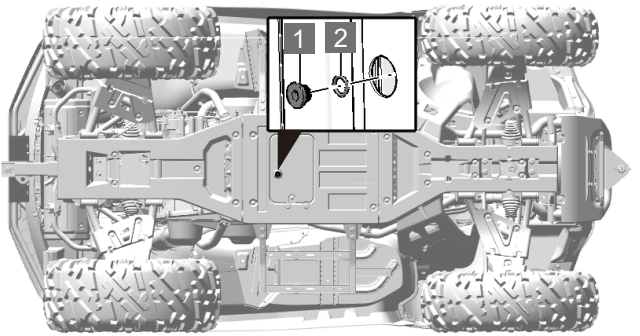
NOTICE

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

⚠ WARNING

- **The used engine oil contains potentially hazardous pollutants which can cause 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 Oil drain plug 2 O-ring seal 13.8 x 2.5

The engine oil drain plug is located at the bottom of the engine.

1. Position the vehicle on a level surface.
2. Start the engine and allow it to warm up for two to three minutes at idle.
3. Stop the engine.
4. Remove the drain plug and seal, place a container at the bottom where you can store used oil and wait for the used oil to drain completely.

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

5. Reinstall the oil drain plug and seal ring. Be sure to use a new seal ring.

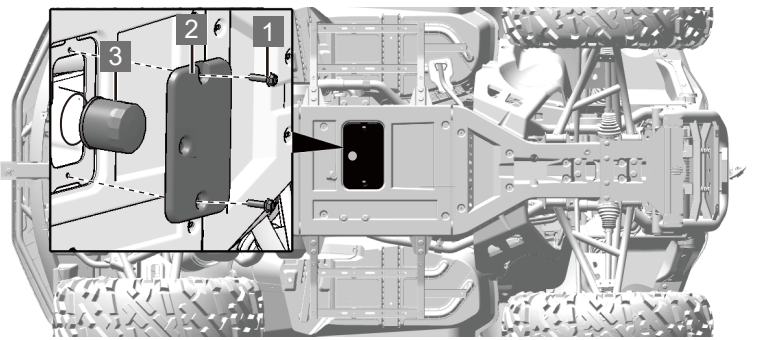
Torque specifications:

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

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.

The oil filter is located behind the maintenance cover of the frame bottom plate.



1 Hexagon bolt M6×12 **2 Underfender repair covers** **3 Oil filter**

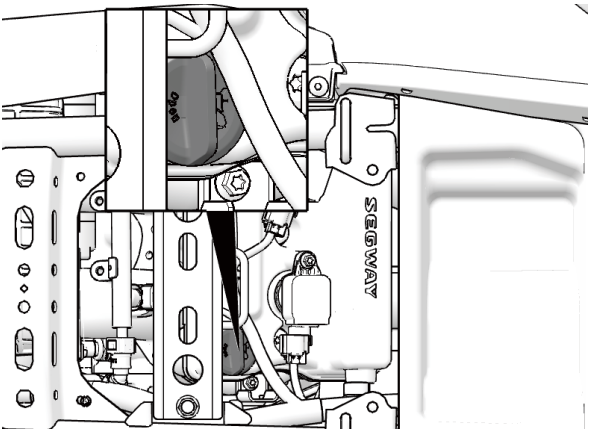
The oil filter is located behind the frame underfender repair covers.

1. Remove the bolts from the underfender repair covers, remove the underfender repair covers where the oil filter is located, and place a towel under the oil filter.
2. Remove the oil filter with an oil filter wrench.
3. Lubricate with oil and install on the new filter.
4. Tighten the new filter to the specified torque.

Oil filter torqueTorque	25 ± 2 N.m

NOTICE
Change the oil filter every time you change the oil.

ADD OIL



The engine oil filler port is located under the seat cushion.

1. Remove the oil filler cap.
2. Add the proper amount of the recommended type of oil, do not overfill, oil level at the top of the oil window is the proper level.
3. Retighten the oil filler cap.
4. Place the shifter in Park.
5. Lock the parking brake.
6. Start the engine and let it idle for 1 to 2 minutes.
7. Stop the engine.
8. Check for leaks.
9. Check the oil level and add oil as necessary to bring the oil level to the proper level.
10. Dispose of used filter and oil properly.

FRONT/REAR GEAR BOX LIQUID

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

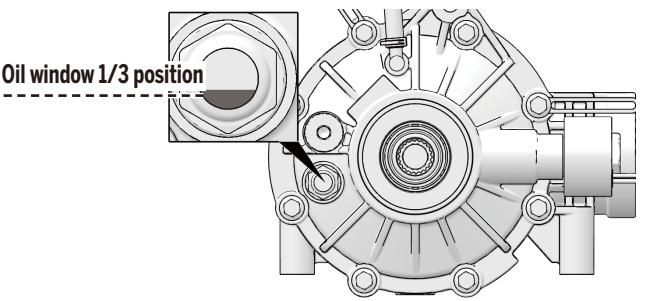
NOTICE

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.

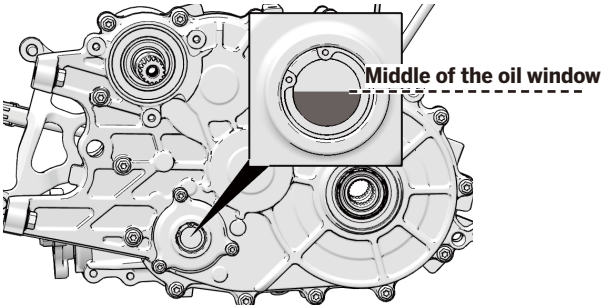
Use recommended oil. The use of other liquids may cause improper operation of parts.

FRONT AXLE GEAR OIL CHECK

Front axle oil level can be viewed through the oil window on the left side of the front axle to see the amount of oil, the amount of oil is located in the oil window 1/3 position for the normal oil level, such as the oil level is too low, you should add the appropriate amount of recommended oil.



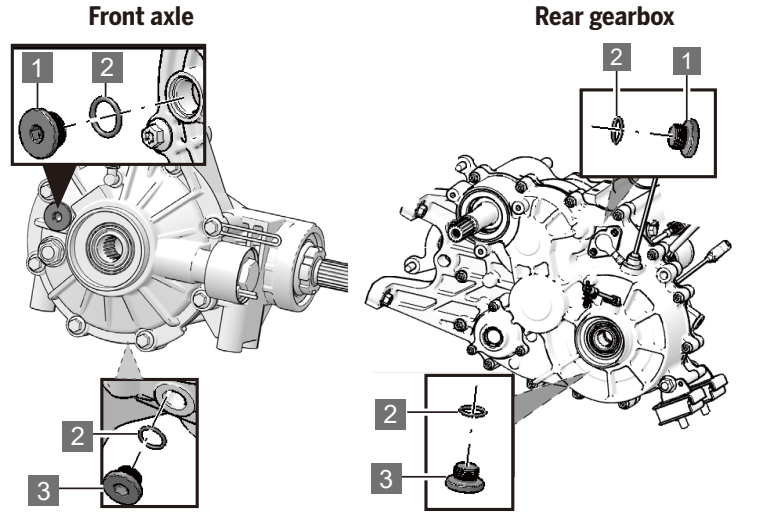
REAR GEARBOX GEAR OIL CHECK



Rear gearbox can be viewed through the oil window on the left side of the rear gearbox to see the oil level, the oil level is located in the middle of the oil window for the normal oil level, if the oil level is too low, the appropriate amount of recommended oil should be added.

FRONT AXLE/REAR GEARBOX GEAR OIL FILLING

The front axle inject plug is located on the left side of the box and the drain plug is located at the bottom of the box. The rear gearbox inject plug is located on the right side of the case and the drain plug is located at the bottom of the case.



1. Position the vehicle on a level surface. Remove the inject plug.
2. Remove the drain plug and o-ring to completely drain grease from the axle body.
3. Clean and reinstall the drain plug and o-ring, new o-rings must be used.
4. Reinstall the drain plug and o-ring to the recommended torque.
5. Add appropriate amount of recommended oil, level should reach bottom of fill hole threads.
6. Reinstall the inject plug and o-ring to the recommended torque, new o-rings must be used.
7. Check for leaks and dispose of used oil properly.

Drain plug/Inject plug torque	16-20N.m

CTV DRIVE BELT

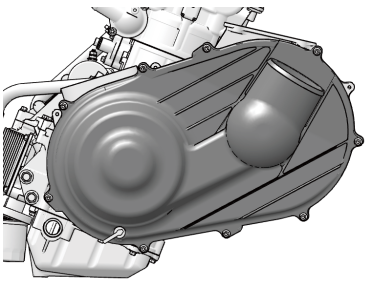
Check the CVT drive belt according to the time specified in the vehicle maintenance schedule. If the CVT belt is damaged, it should also be replaced.

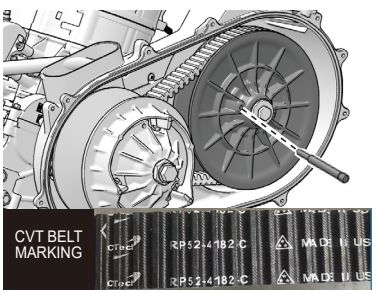
BELT REPLACEMENT/DEBRIS REMOVAL

When replacing belts, remove debris from pipes and clutches.

⚠ WARNING

Failure to remove all debris when replacing belts may result in vehicle damage, loss of control and serious injury or death.





Remove drive belt

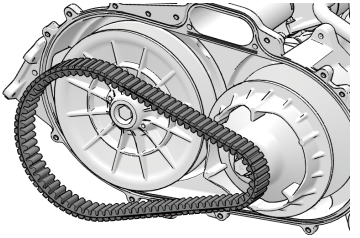
Stop the vehicle engine before replacement and allow the vehicle to cool down sufficiently.

1、Remove the bolts from the CVT outer cover, and remove the CVT outer cover and CVT cover sealing ring.

2、Use the driven wheel top rod (special) to support the hole of the driven wheel as shown in the figure, and use a tool to twist the top rod to open the driven wheel disc.

⚠ WARNING

Before disassembling the drive belt, please pay attention to the direction of the markings (such as manufacturer name, arrow marks, etc.) on the drive belt, so that the drive belt can be reinstalled on the pulley in the original direction.



3. Remove the drive belt from the CVT driven wheel and CVT drive wheel.

4. Remove the drive belt to be replaced and clean the debris inside the CVT compartment.

INSTALL DRIVE BELT

⚠ CAUTION

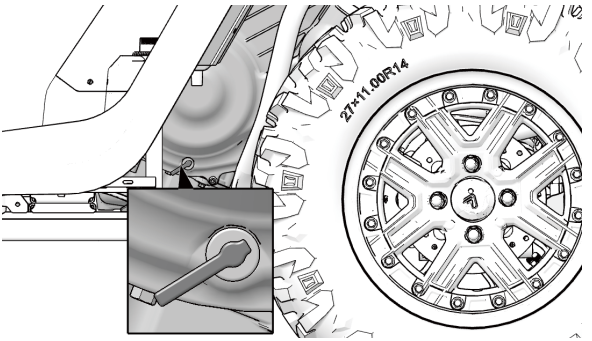
Ensure that the new belt direction is consistent with the original belt installation direction.

- The installation procedure is basically the opposite of the disassembly procedure.
- Wrap the drive belt around the CVT drive wheel and drive wheel.
- Pull out the kick-out pin from the drive wheel and tighten the CVT driven wheel.
- Install the CVT seal ring and tighten the CVT cover.

Torque	CVT outer cover bolt：10 N•m

CVT DRYING

In some cases, water may inadvertently soak into the CVT system, so let it dry before driving.



1. Remove the clutch drain plug.
2. After the water drains out, reinstall the water drain plug.
3. Put the transmission in "P" and pull up the parking handle.
4. Start the engine.
5. Use different throttles for 10-15 seconds to drain moisture and air, dry the belt and CVT. Do not leave the throttle on full throttle for more than 10 seconds.
6. Allow the engine speed to remain at idle speed. Use the brakes. Shift the transmission to the lowest available range.
7. Belt slip test, if the belt slips, repeat the process.
8. If your vehicle needs service, Segway dealers can help.

COOLANT

Control or maintain engine coolant levels through a recovery system. The recovery system components are the auxiliary tank, radiator, radiator pressure cap and connection hose.

As the operating temperature of the coolant increases, the expanded (heated) excess coolant is forced out of the engine, through the pressure cap, and into the recovery bottle. When the engine coolant temperature drops, the contracted (cooled) coolant is drawn out of the bottle, passes through the pressure cap, and enters the radiator.

It is normal for coolant levels to drop on some new vehicles because the system is draining residue. Check coolant level and add coolant to recovery bottle as recommended.

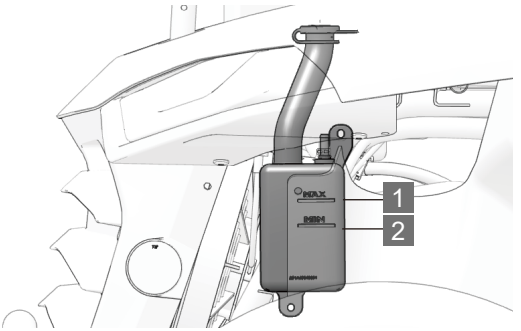
RADIATOR INSPECTION

Check radiators and hoses for leaks or any damage.Check the heat sink, the heat sink must be kept clean, often clean the heat sink in the dirt, and any deposits that hinder the normal cooling of the radiator.

⚠ CAUTION
Never clean the radiator when it is very hot.

COOLANT LEVEL CHECK/ADDT (STANDARD)

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



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

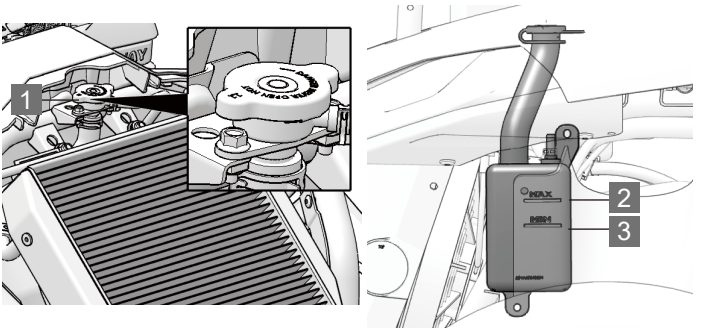
1. Observe the liquid level in the bottle
2. If the liquid level is low, remove the cap and add coolant. Maintain the coolant level between the minimum and maximum marks on the bottle (when the liquid is cool).
3. Remove the front panel maintenance cover in the middle area of the front upper part of 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

REPLACE ENGINE COOLANT

To ensure that the coolant maintains its ability to protect the engine, we recommend that the system be completely emptied every five years to add a new coolant, which requires expertise and can be replaced by taking the vehicle to a Segway dealer.

COOLANT LEVEL CHECK/ADDT(MUD)

The radiator water inlet is located under the radiator front cover, and the recycling bottle is located on the left side of the vehicle.



1 **Radiator filler** 2 **Maximum** 3 **Minimum**

Observe the liquid level in the bottle. If the liquid level is low, add coolant and perform the following steps:

1. Remove the front cover of the radiator and remove the radiator water inlet cover. (Wait for the coolant to cool down to avoid high-temperature burns)
2. Add an appropriate amount of coolant and observe the liquid level in the recycling bottle.
3. Keep the coolant level between the lowest and highest marks on the recovery bottle (when the liquid cools down).
4. Reinstall the radiator water inlet cap and radiator front cover.

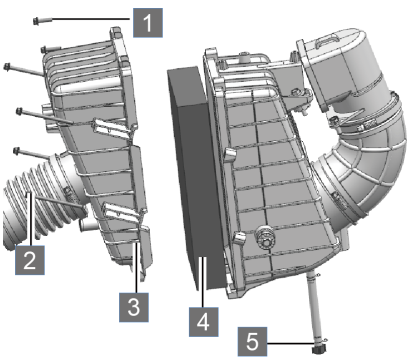
AIR FILTER

The air filter element of the vehicle is a paper air filter element, and the vehicle needs to be cleaned or replaced after a period of use, as shown in the periodic maintenance table.

First remove the filter element to check, if the filter is soaked with oil or serious ash, this situation should not be cleaned, should be directly replaced with a new filter element.

If there is no oil immersion or serious ash, you can put the intake side down, lightly knock on the ground, most of the dust can fall off after vibration, if there is an air pump, you can use the air pump from the filter side to blow out (not from the intake side to blow in), blow the dust off, blow clean.

REPLACING AIR FILTER ELEMENT (STANDARD)



1 **Bolt M6*20 (2 psc)**

2 **Bolt M6*70 (4 psc)**

3 **Air filter cover**

4 **filter element**

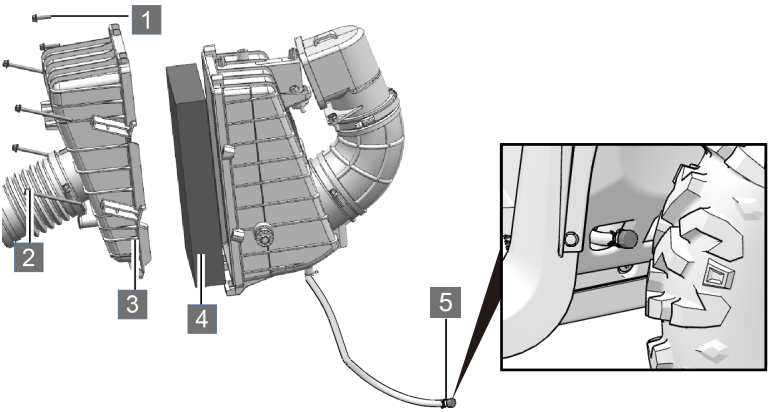
5 **Air filter plug**

The air filter is located under the front storage box. The replacement steps are as follows:

1. Remove the front storage box.
2. Remove the fixing bolts on the air filter cover.
3. Remove the old air filter element.
4. Clean the impurities inside the air filter box. If there is water, remove the air filter plug and drain the water before reinstalling the plug.

5. Clean the filter element and install a new one if necessary.
6. Use bolts to re fix and install the air filter cover.

REPLACING AIR FILTER ELEMENT(MUD)



1 Bolt M6*20 (2 psc) **2 Bolt M6*70 (4 psc)** **3 Air filter cover**

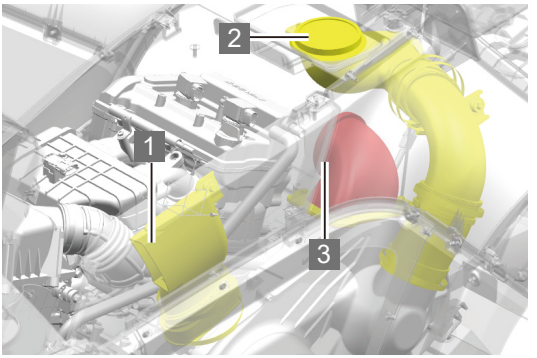
4 Filter element **5 Air filter plug**

The air filter is located under the front storage box. The replacement steps are as follows:

1. Remove the front storage box.
2. Remove the fixing bolts on the air filter cover.
3. Remove the old air filter element.
4. Clean the impurities inside the air filter box.
5. If there is water accumulation, remove the air filter plug located on the inner side of the right front wheel of the wheel, drain the accumulated water, and then reinstall the plug.
6. Clean the filter element and install a new one if necessary.
7. Use bolts to re fix and install the air filter cover.

INTAKE PORT/OUTLET PORT INSPECTION(STANDARD)

It is recommended to regularly check the CVT intake port、CVT oulet port、Air filter inlet , all located under the radiator cover.

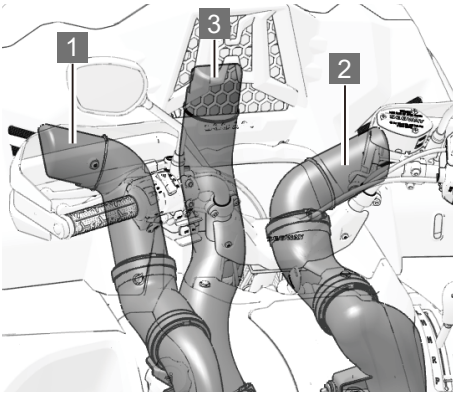


1 **Inlet 1** 2 **Inlet 2** 3 **Outlet**

1. Remove the passenger seat and drive seat.
2. Remove impurities such as sediment and leaves from the air inlet and outlet.
3. If necessary, clean the filter screens of the CVT inlet and outlet, and replace them with ones if damaged.
4. Reinstall the seat.

INTAKE PORT/OUTLET PORT INSPECTION(MUD)

It is recommended to regularly check the CVT intake port、CVT oulet port、Air filter inlet , all located under the radiator cover.



1 CVT intake port **2 CVT outlet port** **3 Air filter inlet**

1. Remove the rear cover of the radiator.
2. Remove sediment and impurities such as leaves from the air inlet and outlet.
3. If necessary, clean the filter screens at the inlet and outlet of the CVT, and replace them if damaged.
4. Reinstall the radiator cover.

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.

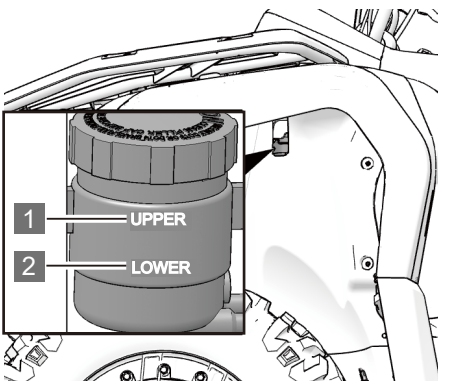
BRAKE OIL(STANDARD)

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 94 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.

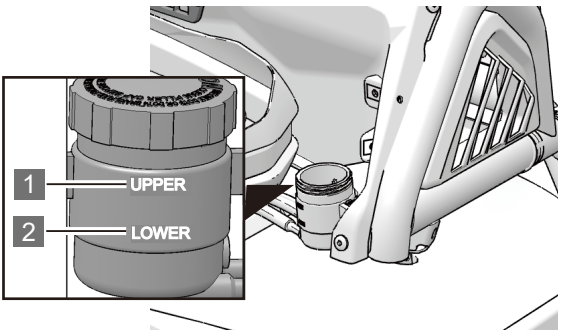
BRAKE OIL(MUD)

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 under the rear cover of the radiator.

Remove the rear cover of the radiator. The disassembly method is shown in 94. Observe the liquid level in the container:



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

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.

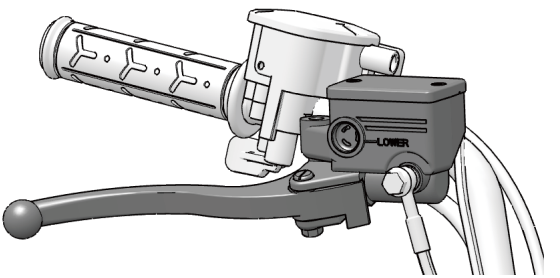
Check whether the brake pads are worn.

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 mark

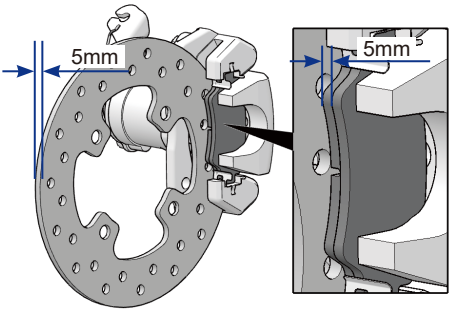
1. Replenish brake fluid.
2. Check whether the brake pads are worn.

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	5.0 mm
	Minimum thickness	1.5 mm
Disc thickness	Standard thickness	5.0 mm
	Minimum thickness	4.0 mm



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 1.5km. 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

Look at the tire shoulder for the tire wear limit warning mark"T. W.I", following the triangle symbol mark to look past, found that the tire tread has the corresponding bump, when the pattern block convex wear to the bump position, it should replace the tire, otherwise it will be due to insufficient strength, midway burst.



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 shift lever in the "P" position.
3. Lock the parking brake.
4. Loosen the four hub mounting nuts using a tool, but do not remove them.
5. Lift by placing a suitable bracket under the tripod frameThe side of the vehicle.
6. Loosen the four hub mounting nuts using a tool.
7. Remove the entire wheel.

WHEEL COMPONENT INSTALLATION

1. Start by placing the wheel in the mounting position and screwing the 4 wheel mounting nuts onto the wheel studs in sequence.
2. Pre-tighten the bolts again with a tool in a diagonal position.
3. Tighten with a torque wrench to the specified torque.

Torque to specification:

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

⚠ CAUTION

Loose nuts may cause the tire to fall off during operation which may cause an accident or overturn. Always ensure that all nuts are tightened to the required value.

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

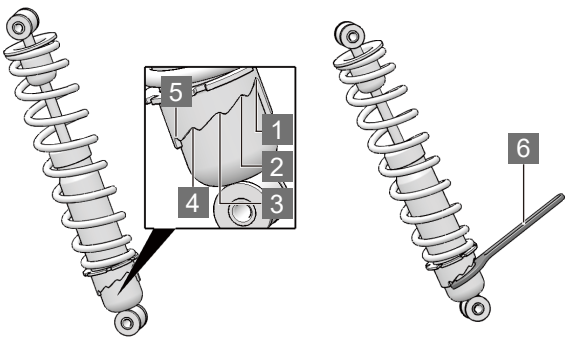
Do not use wheels of different sizes other than recommended in the User's Manual as this can cause the vehicle to lose control.

	Model	The front wheel	The rear wheel
The recommended size	SGW1000-A3/A9	27×9.00-14	27×11.00-14
		27×9.00R14	27×11.00R14
	SGW1000-A7/A10	27×9.00-14	27×9.00-14
		27×9.00R14	27×9.00R14
		30×10.00R14	30×10.00R14
	SGW1000-A11/A13	27×9.00-14	27×11.00-14
		27×9.00R14	27×11.00R14
	SGW1000-A12/A14	30×10.00R14	30×10.00R14

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.

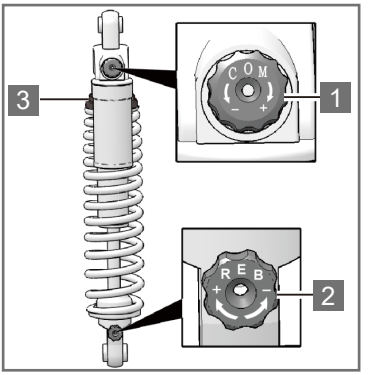
Position 3 ~ 5 : When ATV load is heavy, it can be adjusted to this position.

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

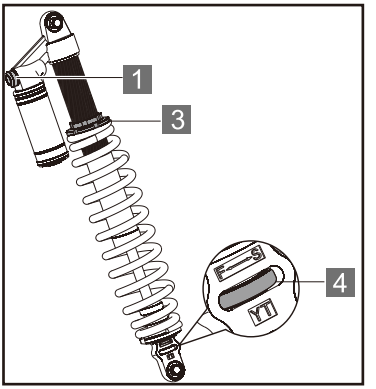
⚠ CAUTION

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



OR



1 Compression damping adjustment

- Rotate the upper compression damping adjuster by hand, increasing the damping clockwise and decreasing it counterclockwise.
- The compression damping regulator has 7 gears, the initial gear is set to the 4th gear.

2 Restoration damping adjustment

- Rotate the lower compression damping adjuster by hand, increasing the damping clockwise and decreasing it counterclockwise.
- The compression damping regulator has 7 gears, the initial gear is set to the 4th gear.

3 Spring adjusting cap. Adjust spring top end cap with special tool.

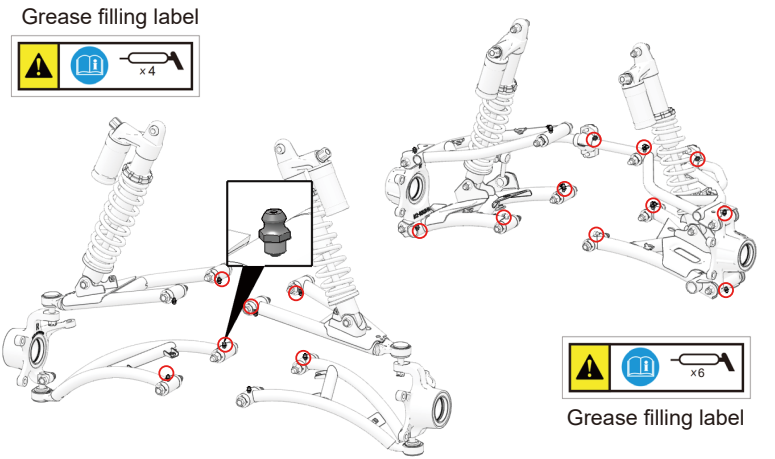
- Adjust the end cover spring preload downward to increase.
- Upward adjustment of end cover spring preload decreases.

4 Recovering the damping adjusting valve.

- Rotational recovery damping increases in the direction of “S”.
- Turning in the “F” direction reduces the return damping.

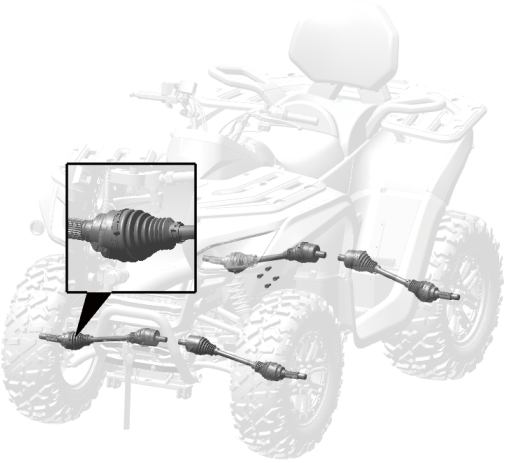
SUSPENSION DRIVE LUBRICATION

Grease nipples are reserved for the rear suspension and balance parts of the vehicle. These parts need to be fully lubricated when the vehicle is running. Add suitable butter and lubricate according to the time specified in the maintenance cycle table to make these parts wear reduce and increase service life..



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.

FRONT (REAR) DRIVE SHAFT DUST COVER



Check the front and rear drive shaft boots for cuts, cracks, damage or grease leaks. If so, contact your Segway dealer for a replacement.

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.

LED HEADLIGHT/TAILLIGHT REPLACEMENT

LED Headlight

The LED lights consist of multiple LED beads. If the LED beads are burned out, the beads cannot be replaced, take the vehicle to the dealer for replacement headlight part.

Halogen headlight

If the halogen bulb is damaged, it can be replaced, you can replace the bulb yourself by following the procedure below. The ease of replacement varies depending on the bulb. Due to the possibility of damage to the parts, we recommend replacement by a dealer.

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

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

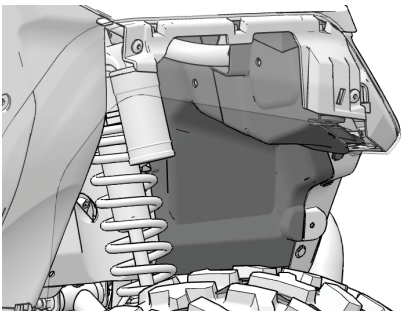
⚠ CAUTION

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. Use a tool to remove the expansion screws securing the headlight cover, and remove the headlight cover.
2. Unscrew the headlight cap.

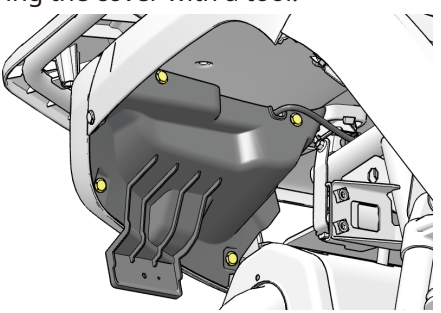


3. Remove the harness connector from the light.
4. Press the retaining circlips on both sides to allow the circlips to pop out of their slots.
5. Remove the broken bulb.

TAIL LIGHT/REAR TURN SIGNAL REPLACEMENT

Procedure for replacing tail light:

1. Remove the rear tail light cover by removing the expansion screw securing the cover with a tool.



2. Unscrew the rear taillight lampholder.
3. Twist the bulb to be replaced on the tail light lampholder from side to side, and when the limiting bead at the end of the bulb snaps into the limiting slot of the holder, the damaged bulb can be removed and replaced with a new bulb of equal power.

HIGH BEAM ADJUSTMENT

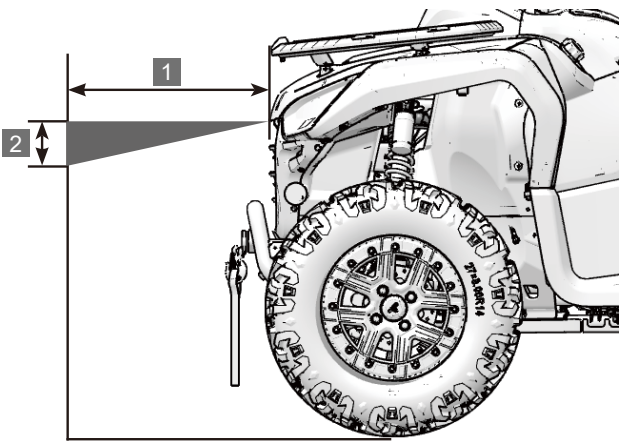
The headlight beam can be adjusted slightly up/down. Use the following procedure to make adjustments.

⚠ 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 10M.

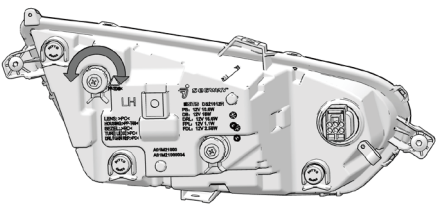


2. Measure the distance from the floor to the center of the headlights and mark the walls at the same height.
3. Start the engine. Convert headlight switch to high beam.
4. Watch the headlights aim at the wall. The strongest part of the headlight beam should be 2 inches. Measurement on the seat includes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

Headlight beam adjustment up and down

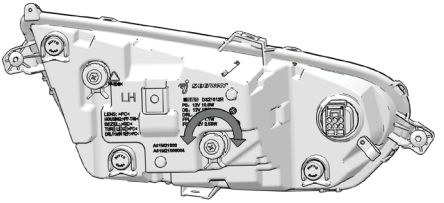
To raise the headlight beam, turn the headlight adjusting screw counterclockwise.

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



Left and right adjustment of the headlight beam

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

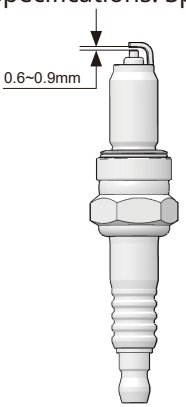


To turn the headlight beam to the left, turn the headlight adjustment screw counterclockwise.

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.

	Model	Spark Plug Gap	Torque
Spark Plug	B7RTC / B8RTC	0.6-0.9mm	13 N•m

SPARK PLUG INSPECTION

Normal plug

The normal tip of an insulator is gray, brown, or light brown. There are very few burning sediments. The electrode is not eroded or corroded. This indicates that the engine has sufficient combustion. The tip should not be white. The tip of the white insulator indicates overheating, which is caused by improper use of spark plugs or incorrect adjustment of the throttle valve body.

Need to replace

The tip of the polluted insulator is black. A damp oil film covers the launch end. There may be a layer of carbon on the entire head. Generally speaking, electrodes do not wear out. The general cause of dirt is excessive oil, the use of unsuitable oil, or poor fuel quality.

SPARK PLUG REMOVAL INSTALL

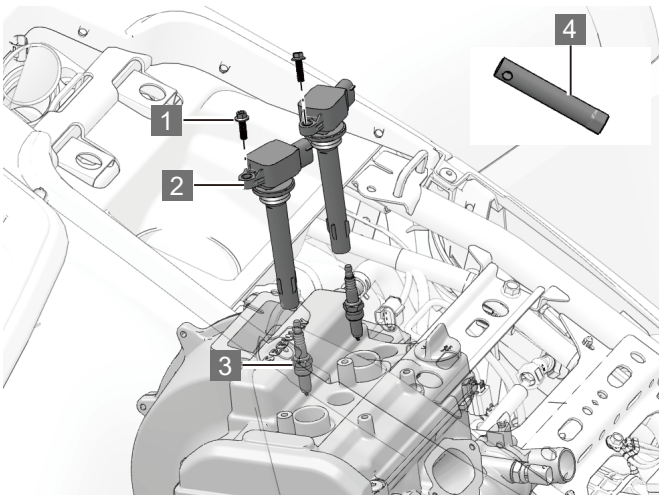
Spark plug condition indicates a well running engine. Check or change the spark plugs with reference to the maintenance time of the periodic maintenance schedule.

⚠ CAUTION

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

NOTICE

All spark plugs need to be replaced.



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

The spark plug is located under the seat cushion.

1. Pull out the ignition coil harness and remove the fixing bolts of the ignition coil.
2. Remove the ignition coil, with the spark plug located below the ignition coil.
3. Use the spark plug wrench in the tool bag to remove the spark plug.
4. Remove the spark plug that needs to be replaced and install a new spark plug.
5. The installation and disassembly sequence is reversed, and tightening should be carried out according to the specified torque. The torque for M6 bolts is 10 N • m.A

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.

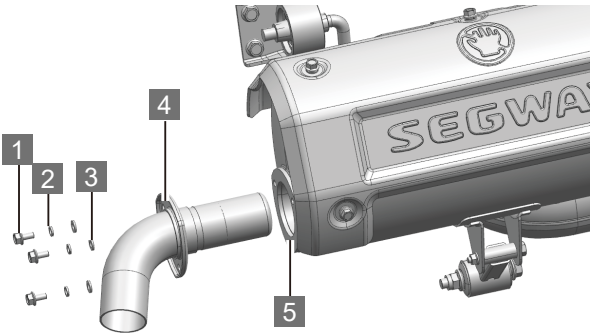
⚠ WARNING

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 pcs)** 2 **Spring washer (3 pcs)** 3 **Flat washer (3 pcs)**

4 **Spark arrestor** 5 **Gasket**

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
If the gasket is damaged, replace with a new gasket, which must be supplied by Segway.

STEERING ASSEMBLY

Your ATV's steering assembly should be inspected regularly for loose nuts and bolts. If loose nuts and bolts are found, have the vehicle serviced by an authorized dealer or other qualified repair facility before driving the vehicle.

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.

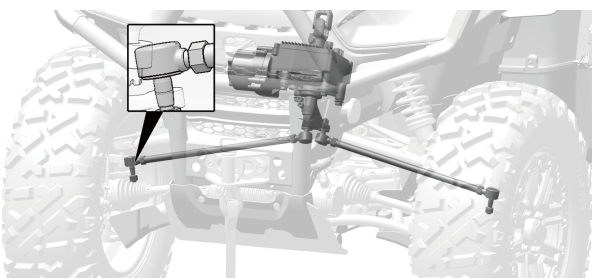
NOTICE
When the key is turned to the "ON" position, the EPS warning indicator lights up briefly.

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.

INSPECTION OF STEERING ROD BALL JOINT

Check the dust cover on the steering rod every 1000 kilometers to confirm if there are any cuts, cracks, or damage to the dust cover. If so, please contact your Segway dealer to replace the steering rod dust cover and steering rod ball joint.



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

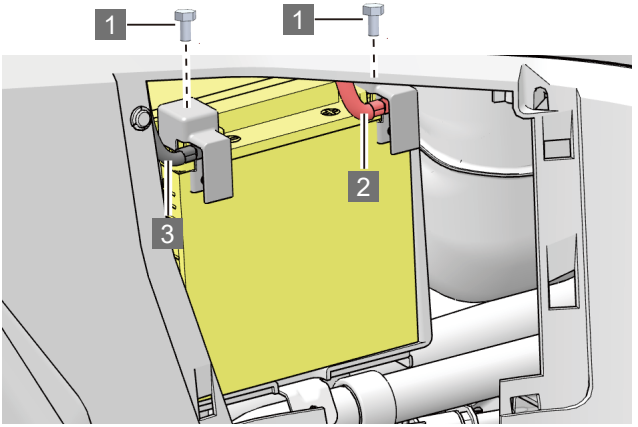
If the electrolyte overflows, immediately wash it off with a solution of 1 tablespoon baking soda and 1 cup water to prevent damage to the vehicle.

The battery is located above the right side foot pedal. Power off the vehicle before removing the battery.

1. Remove the battery service panel screws with a tool.
2. Remove the battery pull strap.

⚠ CAUTION

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



1 **Battery positive and negative terminal retaining bolts (2 pcs)**

2 **Battery positive cable** 3 **Battery negative cable**

3. Turn up the positive and negative insulated rubber boot
4. Remove the battery negative terminal bolt and disconnect the black (negative) battery cable.
5. Remove the battery positive terminal bolt and disconnect the red (positive) battery cable.
6. Remove the battery from the ATV.

BATTERY INSTALLATION

NOTICE

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

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. Bolt the positive (red) cable to the positive terminal of the battery and return the insulated rubber boot into place.
4. Bolt the negative (black) cable to the negative terminal of the battery and return the insulated rubber boot into place.
5. Secure the battery with the battery pull strap.
6. Verify that the cables are properly arrangement of wire.

BATTERY CHARGING

NOTICE

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

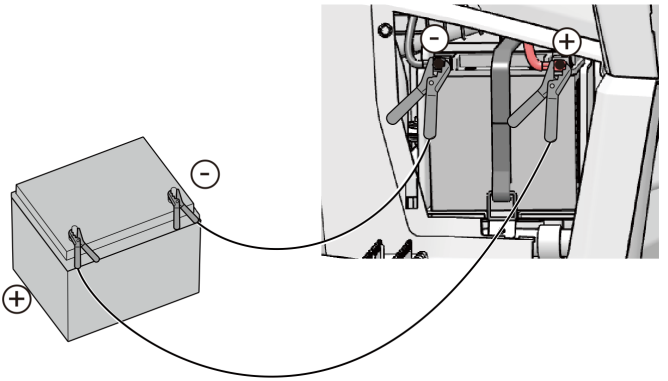
If charging the 12V battery is still installed in the vehicle, be sure to disconnect the ground cable.

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 vehicle's front access cover.

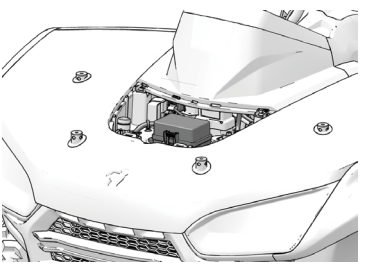
The MUD vehicle the fuse box is located under the rear cover of the radiator.

Remove the front shelf cover, and then take off the maintenance cover, you can see the fuse box at the bottom, move the buckles on the left and right sides of the fuse box cover to the outside, release the buckles, and open the fuse box.

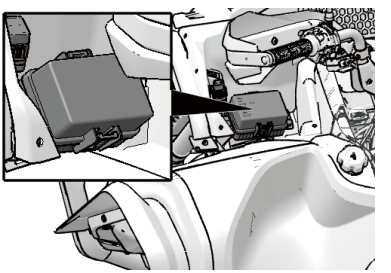
NOTICE

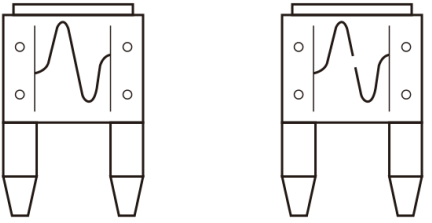
The cover of the fuse box has a limited card slot, please pay attention to the installation direction when installing.

STANDARD



MUD

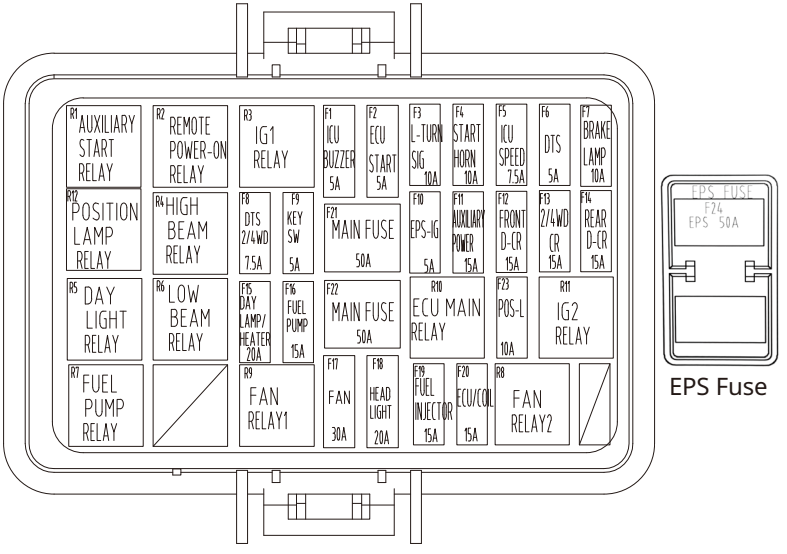




Normal fuse Blow fuse

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.



EPS Fuse

Rated amperage of fuse/relay and distribution

No.	Fuse/Relay	Power	No.	Fuse/Relay	Power
F1	Display/Buzzer	5A	F20	Non-sustained Power Supply	15A
F2	ECU Start Relay	5A	F21	Main Fuse	50A
F3	Turn Signal	10A	F22	Main Fuse	50A
F4	Start /Horn	15A	F23	Position light fuse	10A
F5	Display/Vehicle Speed Sensor	7.5A	F24	EPS Fuse	50A
F6	DTS	5A		ABS 1 Fsue（ABS models）	40A
F7	Brake Light	10A		ABS 2 Fsue（ABS models）	30A
F8	DTS/2-4WD Module	7.5A			
F9	Power Switch	5A	R1	Auxiliary Start Relay	12V 20A
F10	EPS-IG	5A	R2	DTS Relay	12V 20A
F11	Auxiliary Outlet	15A	R3	IG1 Relay	12V 20A
F12	Front Differential	15A	R4	High Beam Relay	12V 20A
F13	2WD and 4WD Switching	15A	R5	Daytime Running Light Relay	12V 20A
F14	Rear Differential	15A	R6	Low Beam Relay	12V 20A
F15	Daytime Running Light	20A	R7	Fuel Pump Relay	12V 20A
F16	Fuel Pump	15A	R8	Cooling Fan Relay 2	12V 20A
F17	Cooling Fan	30A	R9	Cooling Fan Relay 1	12V 20A
F18	High/Low Beam	20A	R10	ECU Main Relay	12V 20A
F19	Fuel Injector/Ignition Coil/Oxygen Sensor	15A	R11	IG2 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.

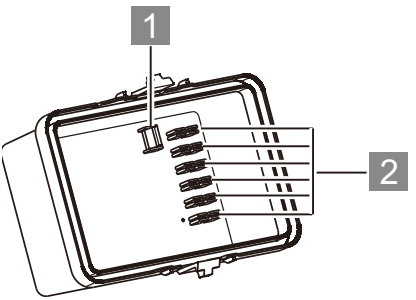
FUSE BOX REPLACEMENT

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.....153
VEHICLE IDENTIFICATION NUMBER.....161
THE FRAME NAMEPLATE.....162

TECHNICAL PARAMETERS OF VEHICLE

Item	Specifications	
	SGW1000F-A3/A9	SGW1000F-A7/A10
Length	2412mm	2429mm
Width	1256mm	1489mm
Height	1452mm	1492mm
Wheel base	1455mm	
Ground clearance	275mm	275mm(27")/340mm(30")
Turning diameter	8500 mm	
Curb weight	518kg	549kg
Front rack load	40kg	
Rear rack load	60kg	
Recommended Traction quality Pulled load quality	450kg	
Engine model	293MY-2	
Engine type	Four stroke, double cylinder, water cooled, vertical, double overhead camshaft	
Cylinder diameter × stroke	93×73.6	
Engine displacement	999.9 ml	
Compression ratio	10.9:1	
Idle speed	1350±135 r/min	
Maximum power	71kW / 8000 r/min	

Item	Specifications	
	SGW1000F-A3/A9	SGW1000F-A7/A10
Maximum torque	88 N·m / 7500 r/min	
Starting way	Electric start	
Lubrication way	Pressure spray	
Engine oil type	SAE 5W-40 SN or higher	
Engine oil capacity	2200 mL	
Front axle gear oil type	SAE 80W-90 GL-5	
Empty Volume	310 mL	
Rear axle gear oil model	SAE 80W-90 GL-5	
Empty Volume	1200 mL	
Air filter	Paper filter element	
Fuel tank type	Barrier type plastic fuel tank	
Fuel tank capacity	23 L	
Fuel type	Petrol(E10)/87#(US)/92 #(GB)	
Spark plug type	B7RTC/B8RTC	
Spark plug clearance	0.6~0.9mm	
Variable speed way	CVT	
Variable speed ratio	0.717~2.976	
L Transmission ratio	13.192~54.755	
H Transmission ratio	8.802~36.534	
Reverse gear ratio	11.515~47.794	

Item	Specifications				
	SGW1000F-A3/A9		SGW1000F-A7/A10		
Tire type	Vacuum tire				
Front tire specification	27×9.00-14	27×9.00 R14	27×9.00-14	27×9.00 R14	30×10.00 R14
Rear tire specification	27×11.00-14	27×11.00 R14	27×9.00-14	27×9.00 R14	30×10.00R 14
Front tire pressure	7.0psi (48.3kPa)				
Rear tire pressure	7.0psi (48.3kPa)				
Brake type	Disc brake				
Foot brake mode	Foot operation				
Front braking mode	Hand operation				
Brake fluid type	DOT4				
Front suspension	Double-wishbone independent suspension				
Rear suspension	Double-wishbone independent suspension				
Front shock absorber	Hydraulic Spring/Air sac				
Rear shock absorber	Hydraulic Spring/Air sac				
Fr. Suspension stroke	185mm		173mm		
Rr. Suspension stroke	210mm		210mm		
Ignition mode	electricity(ECU)				
Charge	980W/5500 rpm / 680W/5500 rpm				
Battery	12V 32Ah				

Item		Specifications	
		SGW1000F-A3/A9	SGW1000F-A7/A10
Headlamp	Head light	LED or H4/55W	
	Day Light	LED	
	Turn signal	LED	
	Front Position Light	LED	
Rear tail light - position light		LED or 5 W P21/5W	
Rear taillights - Brake lights		LED or 21 W P21/5W	
Turn signal lamp		LED or 10W RY10W	

Item	Specifications	
	SGW1000F-A11/A13	SGW1000F-A12/A14
Length	2360mm	2380mm
Width	1260mm	1490mm
Height	1452mm	1530
Wheel base	1455mm	
Ground clearance	275mm	340mm
Turning radius	4500 mm	4000 mm
Curb weight	524kg	532kg
Rear rack load	60kg	
Recommended Traction quality Pulled load quality	450kg	
Engine model	293MY-2	
Engine type	Four stroke, double cylinder, water cooled, vertical, double overhead camshaft	
Cylinder diameter × stroke	93×73.6	
Engine displacement	999.9 ml	
Compression ratio	10.9:1	
Idle speed	1350±135 r/min	
Maximum power	71kW / 8000 r/min	
Maximum torque	88 N·m / 7500 r/min	
Starting way	Electric start	

Item	Specifications		
	SGW1000F-A11/A13	SGW1000F-A12/A14	
Lubrication way	Pressure spray		
Engine oil type	SAE 5W-40 SN or higher		
Engine oil capacity	2200 mL		
Front axle gear oil type	SAE 80W-90 GL-5		
Empty Volume	310 mL		
Rear axle gear oil model	SAE 80W-90 GL-5		
Empty Volume	1200 mL		
Air filter	Paper filter element		
Fuel tank type	Barrier type plastic fuel tank		
Fuel tank capacity	23 L		
Fuel type	Petrol(E10)/87#(US)/92 #(GB)		
Spark plug type	B7RTC/B8RTC		
Spark plug clearance	0.6~0.8mm		
Variable speed way	CVT		
Variable speed ratio	0.717~2.976		
L Transmission ratio	13.192~54.755		
H Transmission ratio	8.802~36.533		
Reverse gear ratio	11.516~47.797		
Tire type	Vacuum tire		
Front tire specification	27×9.00-14	27×9.00 R14	30×10.00 R14

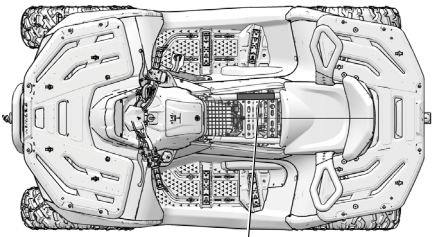
Item	Specifications		
	SGW1000F-A11/A13		SGW1000F-A12/A14
Rear tire specification	27×11.00-14	27×11.00 R14	30×10.00 R14
Front tire pressure	7.0psi (48.3kPa)		
Rear tire pressure	7.0psi (48.3kPa)		
Brake type	Disc brake		
Foot brake mode	Foot operation		
Front braking mode	Hand operation		
Brake fluid type	DOT4		
Front suspension	Double-wishbone independent suspension		
Rear suspension	Double-wishbone independent suspension		
Front shock absorber	Hydraulic Spring/Air sac		
Rear shock absorber	Hydraulic Spring/Air sac		
Fr. Suspension stroke	185mm		173mm
Rr. Suspension stroke	210mm		210mm
Ignition mode	electricity (ECU）		
Charge	980W/5500 rpm		
Battery	12V 32Ah		

Item		Specifications	
		SGW1000F-A11/A13	SGW1000F-A12/A14
Headlamp	Head light	LED or H4/55W	
	Day Light	LED	
	Turn signal	LED	
	Front Position Light	LED	
Rear tail light - position light		LED or 5 W P21/5W	
Rear taillights - Brake lights		LED or 21 W P21/5W	
Turn signal lamp		LED or 10W RY10W	

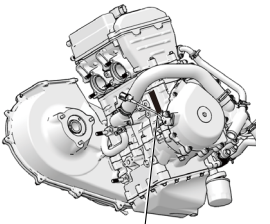
VEHICLE IDENTIFICATION NUMBER

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 number



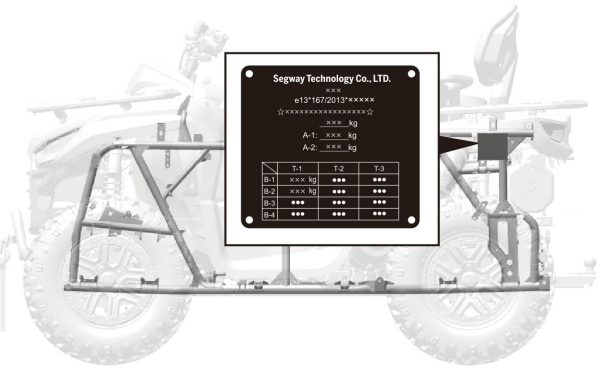
Engine serial number

Frame identification code	

Engine serial code	

THE FRAME NAMEPLATE

The frame nameplate is located on the right rear wheel frame of the vehicle and displays basic feature information, including the VIN code. The VIN code is required when the vehicle is activated for the first time.





TROUBLESHOOTING

DRIVE BELT AND COVER PROBLEMS 164
ENGINE DOESN'T TURN OVER.....166
ENGINE PINGS OR KNOCKS.....166
ENGINE STOPS OR LOSES POWER 167
ENGINE TURNS OVER, FAILS TO START 167
ENGINE BACKFIRES.....168
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 on-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 68.
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.

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

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

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

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
P0108	Manifold Absolute Pressure/Barometric Pressure Circuit High
P0107	Manifold Absolute Pressure/Barometric Pressure Circuit Low
P2A0D	Mass or Volume Air Flow “B” Circuit Low
P2A0C	Mass or Volume Air Flow “B” Circuit High
P0113	Intake Air Temperature Sensor 1 Circuit High
P0112	Intake Air Temperature Sensor 1 Circuit Low
P0118	Engine Coolant Temperature Sensor 1 Circuit High
P0117	Engine Coolant Temperature Sensor 1 Circuit Low
P0650	MIL Control Circuit Low
P0650	MIL Control Circuit Open
P0692	Fan 1 Control Circuit High
P0691	Fan 1 Control Circuit Low
P0480	Fan 1 Control Circuit
P0629	Fuel Pump “A” Control Circuit High
P0628	Fuel Pump “A” Control Circuit Low
P0627	Fuel Pump “A” Control Circuit /Open
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
P0412	Secondary Air Injection System Switching Valve “A” Circuit
P0414	Secondary Air Injection System Switching Valve “A” Circuit Shorted
P0413	Secondary Air Injection System Switching Valve “A” Circuit Open

Failure Code	Failure Description
P0262	Cylinder 1 Injector Circuit High
P0261	Cylinder 1 Injector Circuit Low
P0201	Injector Circuit/Open – Cylinder 1
P0265	Cylinder 2 Injector Circuit High
P0264	Cylinder 2 Injector Circuit Low
P0202	Injector Circuit/Open – Cylinder 2
P0563	System Voltage High
P0562	System Voltage Low
P0560	System Voltage Not plausible
P0501	Vehicle Speed Sensor “A” Range/Performance
P0641	Sensor Reference Voltage "A" Circuit/Open
P0651	Sensor Reference Voltage "B" Circuit/Open
P0571	Brake Switch "A" Circuit
P0123	Throttle/Pedal Position Sensor/Switch "A" Circuit High
P0122	Throttle/Pedal Position Sensor/Switch "A" Circuit Low
P0121	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance
P0223	Throttle/Pedal Position Sensor/Switch "B" Circuit High
P0222	Throttle/Pedal Position Sensor/Switch "B" Circuit Low
P0221	Throttle/Pedal Position Sensor/Switch "B" Circuit Range/Performance
P2106	Throttle Actuator Control System Forced Limited Power
P1568	Idle Speed Contr.Throttle Pos. mechanical Malfunction
P1545	Throttle Pos.Contr. Malfunction
P1565	Idle Speed Control Throttle Position lower limit not attained
P2123	Throttle/Pedal Position Sensor/Switch “D” Circuit High
P2122	Throttle/Pedal Position Sensor/Switch “D” Circuit Low
P2138	Throttle/Pedal Position Sensor/Switch “D”/“E” Voltage Correlation

Failure Code	Failure Description
P2128	Throttle/Pedal Position Sensor/Switch “E” Circuit High
P2127	Throttle/Pedal Position Sensor/Switch “E” Circuit Low
P0606	ECM/PCM Processor
P0606	ECM/PCM Processor
P2106	Throttle Actuator Control System Forced Limited Power
P0606	ECM/PCM Processor
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 Bank 1 Sensor 1
P0134	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 1
P0052	O2 Sensor Heater Control Circuit High Bank 2 Sensor 1
P0051	O2 Sensor Heater Control Circuit Low Bank 2 Sensor 1
P0050	O2 Sensor Heater Control Circuit Bank 2 Sensor 2
P0152	O2 Sensor Circuit High Voltage Bank 2 Sensor 1
P0151	O2 Sensor Circuit Low Voltage Bank 2 Sensor 1
P0150	O2 Sensor Circuit Bank 2 Sensor 1
P0154	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 1
U0073	Control Module Communication Bus Off
U0140	Lost Communication With Body Control Module
U0121	Lost Communication With Anti-Lock Brake System (ABS) Control Module
P0322	Crankshaft signal loss
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module
U0198	Lost communication with TBOX

Failure Code	Failure Description
U0293	Lost Communication With Hybrid/EV Powertrain Control Module
P0688	ECM/PCM Power Relay Sense Circuit/Open
P0688	ECM/PCM Power Relay Sense Circuit/Open
P0650	MIL Control Circuit High
P2138	Throttle/Pedal Position Sensor/Switch “D”/“E” Voltage Correlation
P1559	Idle Speed Contr.Throttle Pos. Adaptation Malfunction
P1579	Idle Speed Contr.Throttle Pos. adaptation not started
P1564	Idle Speed Contr.Throttle Pos. Low Voltage During Adaptation
P1559	Idle Speed Contr.Throttle Pos. Adaptation Malfunction
P0300	Misfire detected
P0301	Misfire detected on cylinder 1
P130A	Cylinder selective fuel cutoff active due to catalyst damaging misfire
P0302	Misfire detected on cylinder 2
P2301	Ignition Coil “D” Primary Control Circuit High
P2304	Ignition Coil “B” Primary Control Circuit High
P2300	Ignition Coil “D” Primary Control Circuit Low
P2303	Ignition Coil “B” Primary Control Circuit Low
P0133	O2 Sensor Circ.,Bank1-Sensor1 Slow Response
P0153	O2 Sensor Circ.,Bank1-Sensor2Slow Response
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

Failure Code	Failure Description
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
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

Failure Code	Failure Description
T0006	Body CAN failure
ABS（(Only applicable to abs models)）	
A0001	ECU Voltage:too high
A0002	ECU Voltage:too low
A0003	"Wheel-speed sensor, front left: Signal Line short to GND/ Open; Supply Line open"
A0004	Wheel-speed sensor, front left: (signal failure) out of range, jitter, Intermittent
A0005	Wheel-speed sensor, front left:No signal
A0006	"Wheel-speed sensor, front right: Signal Line short to GND/ Open; Supply Line open"
A0007	Wheel-speed sensor, front right: (signal failure) out of range, jitter, Intermittent
A0008	Wheel-speed sensor, front right: No signal from wheel speed sensor
A0009	"Wheel-speed sensor, rear left: Signal Line short to GND/ Open; Supply Line open"
A0010	Wheel-speed sensor, rear left: (signal failure) out of range, jitter, Intermittent
A0011	Wheel-speed sensor, rear left: No signal from wheel speed sensor
A0012	"Wheel-speed sensor, rear right: Signal Line short to GND/ Open; Supply Line open"

Failure Code	Failure Description
A0013	Wheel-speed sensor, rear right: (signal failure) out of range, jitter, Intermittent
A0014	Wheel-speed sensor, rear right: No signal from wheel speed sensor
A0015	Wheel-speed sensor generic error (General error of wheel speed sensor (frequency error, gear number error, tire error)
A0016	Valve relay error
A0017	valve fault, inlet valve FL
A0018	valve fault, outlet valve FL
A0019	valve fault, inlet valve FR
A0020	valve fault, outlet valve FR
A0021	valve fault, inlet valve RL
A0022	valve fault, outlet valve RL
A0023	valve fault, inlet valve RR
A0024	valve fault, outlet valve RR
A0025	valve fault(overheating,overcurrent,short circuit,signal error,hadware error)
A0026	Motor error
A0027	Motor relay error
A0028	ECU error (hardware error)
A0029	CAN hardware error
A0030	CAN Bus Off error
A0031	ABS control anomalies failure
A0032	Variant Coding Error



EMISSION CONTROL SYSTEM

SOURCE OF EXHAUST EMISSIONS 179
EXHAUST EMISSION CONTROL SYSTEM..... 179
CRANKCASE EMISSION CONTROL SYSTEM 179
NOISE CONTROL SYSTEM..... 179
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A3) 180
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A3).....181
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A7).....182
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A7).....183
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A9) 184
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A9) 185
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A10) 186
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A10).....187
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A11) 188
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A11) 189
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A12) 190
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A12)..... 191
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A13) 192
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A13).....193
DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A14) 194
DECLARATION OF VIBRATION DECLARATION(SGW1000F-A14) 195

SOURCE OF EXHAUST EMISSIONS

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 when subjected to sunlight. Carbon monoxide does not react in the same way, but it is toxic.

EXHAUST EMISSION CONTROL SYSTEM

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

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

The exhaust emission control system is separate 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 is returned 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.

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A3)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A3

1.2.1. Variant(s): SGW1000F-A3

1.2.2. Version(s): A, B

1.2.3. Commercial name(s) (if available):

Segway AT10, Segway Snarler AT10, Segway AT10 Standard, Segway AT10 EPS,Segway AT10 Premium, Segway AT10 S, Segway AT10 EPS, Segway AT10 P,Segway AT10 W Standard, Segway AT10 W Premium

1.3. Category, subcategory and speed index of the vehicle:

Variant/Version: SGW1000F-A3/A : T3a

Variant/Version: SGW1000F-A3/B : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A3/A : 84.4 dB(A),

Variant/Version: SGW1000F-A3/B : 84.7 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 20/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A3)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A3
1.5.1. Variant(s): SGW1000F-A3
1.5.2. Version(s): A, B
1.5.3. Commercial name(s) (if available):
Segway AT10, Segway Snarler AT10, Segway AT10 Standard, Segway AT10 EPS,Segway AT10 Premium, Segway AT10 S, Segway AT10 EPS, Segway AT10 P,Segway AT10 W Standard, Segway AT10 W Premium
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A3/A : T3a
Variant/Version: SGW1000F-A3/B : T3b

The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Driver mass		a_{wS} m/s^2	a_{wB} m/s^2	a_{wS} /a_{Wb}	Requirement
59±1kg	Test run 1	0.56	1.49		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2
	Test run 2	0.57	1.50		
	Arithmetic mean	0.57	1.50	0.38	
98±5kg	Test run 1	0.57	1.57		
	Test run 2	0.57	1.58		
	Arithmetic mean	0.57	1.58	0.36	

a_{wS}:rms value of the weighted seat vibration acceleration measured during a standard roadway test

Place: Changzhou, China Date: 20/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A7)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A7

1.2.1. Variant(s): SGW1000F-A7

1.2.2. Version(s): A, B

1.2.3. Commercial name(s) (if available):

Segway AT10, Segway Snarler AT10, Segway AT10 Standard, Segway AT10 EPS,Segway AT10 Premium, Segway AT10 S, Segway AT10 EPS, Segway AT10 P,Segway AT10 W Standard, Segway AT10 W Premium

1.3. Category, subcategory and speed index of the vehicle:

Variant/Version: SGW1000F-A7/A : T3a

Variant/Version: SGW1000F-A7/B : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A7/A : 83.9 dB(A),

Variant/Version: SGW1000F-A7/B : 83.9 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 20/01/2026

Signature:  Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A7)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A7
1.5.1. Variant(s): SGW1000F-A7
1.5.2. Version(s): A, B
1.5.3. Commercial name(s) (if available):
Segway AT10, Segway Snarler AT10, Segway AT10 Standard, Segway AT10 EPS,Segway AT10 Premium, Segway AT10 S, Segway AT10 EPS, Segway AT10 P,Segway AT10 W Standard, Segway AT10 W Premium
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A7/A : T3a
Variant/Version: SGW1000F-A7/B : T3b

The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Driver mass		a_{ws} m/s^2	a_{wB} m/s^2	a_{ws} /a_{wb}	Requirement
59±1kg	Test run 1	0.56	1.49		Deviation<10% between test run 1/2 and Arithmetic mean, a_{ws}<1.25 m/s^2
	Test run 2	0.57	1.50		
	Arithmetic mean	0.57	1.50	0.38	
98±5kg	Test run 1	0.57	1.57		
	Test run 2	0.57	1.58		
	Arithmetic mean	0.57	1.58	0.36	

$a_{ws:}$rms value of the weighted seat vibration acceleration measured during a standard roadway test

Place: Changzhou, China Date: 20/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A9)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A9

1.2.1. Variant(s): SGW1000F-A9

1.2.2. Version(s): C

1.2.3. Commercial name(s) (if available):

Segway AT10 ABS, Segway Snarler AT10 ABS,
Segway AT10 Standard ABS, Segway AT10 Premium ABS

1.3. Category, subcategory and speed index of the vehicle:

Variant/Version: SGW1000F-A9/C : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A9/C : 85.9 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 20/01/2026

Signature:  Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A9)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A9
1.5.1. Variant(s): SGW1000F-A9
1.5.2. Version(s): C
1.5.3. Commercial name(s) (if available):
Segway AT10 ABS, Segway Snarler AT10 ABS,
Segway AT10 Standard ABS, Segway AT10 Premium ABS
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A9/C : T3b

The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Driver mass		a_{wS} m/s^2	a_{wB} m/s^2	a_{wS} /a_{Wb}	Requirement
59±1kg	Test run 1	0.56	1.49		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2
	Test run 2	0.57	1.50		
	Arithmetic mean	0.57	1.50	0.38	
98±5kg	Test run 1	0.57	1.57		
	Test run 2	0.57	1.58		
	Arithmetic mean	0.57	1.58	0.36	

a_{wS}:rms value of the weighted seat vibration acceleration measured during a standard roadway test

Place: Changzhou, China Date: 20/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A10)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A10

1.2.1. Variant(s): SGW1000F-A10

1.2.2. Version(s): C

1.2.3. Commercial name(s) (if available):

Segway AT10 ABS,Segway Snarler AT10 ABS,Segway AT10 W ABS,Segway Snarler AT10 W ABS,Segway AT10 W Standard ABS,Segway AT10 W Premium ABS

1.3. Category, subcategory and speed index of the vehicle:

Variant/Version: SGW1000F-A10/C : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A10/C : 85.9 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 20/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A10)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A10
1.5.1. Variant(s): SGW1000F-A10
1.5.2. Version(s): C
1.5.3. Commercial name(s) (if available):
Segway AT10 ABS,Segway Snarler AT10 ABS,Segway AT10 W ABS,Segway Snarler AT10 W ABS,Segway AT10 W Standard ABS,Segway AT10 W Premium ABS
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A10/C : T3b

The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Driver mass		a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{Wb}	Requirement
59±1kg	Test run 1	0.56	1.49		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2
	Test run 2	0.57	1.50		
	Arithmetic mean	0.57	1.50	0.38	
98±5kg	Test run 1	0.57	1.57		
	Test run 2	0.57	1.58		
	Arithmetic mean	0.57	1.58	0.36	

$a_{wS:}$rms value of the weighted seat vibration acceleration measured during a standard roadway test

Place: Changzhou, China Date: 20/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A11)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A11

1.2.1. Variant(s): SGW1000F-A11

1.2.2. Version(s): B

1.2.3. Commercial name(s) (if available):

Segway AT10 MUD, Segway Snarler AT10 MUD, Segway AT10 MUD Standard , Segway AT10 MUD EPS,Segway AT10 MUD Premium

1.3. Category, subcategory and speed index of the vehicle:

Variant/Version: SGW1000F-A11/B : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A11/B : 84.7 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 25/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A11)

The undersigned: Tao yun feng, General Manager
Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China
Hereby declares that:
For the following vehicle:
1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A11
1.5.1. Variant(s): SGW1000F-A11
1.5.2. Version(s): B
1.5.3. Commercial name(s) (if available):
Segway AT10 MUD, Segway Snarler AT10 MUD, Segway AT10 MUD Standard , Segway AT10 MUD EPS,Segway AT10 MUD Premium
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A11/B : T3b
The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Shock absorption Option A: Oil shock absorber

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{WB}	Requirement	
59±1kg	Test run 1	0.56	1.49		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2	Test passed
	Test run 2	0.57	1.50			
	Arithmetic mean	0.57	1.50	0.38		
98±5kg	Test run 1	0.57	1.57			
	Test run 2	0.57	1.58			
	Arithmetic mean	0.57	1.58	0.36		

Shock absorption Option B: Adjustbable air shock absorber

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{WB}	Requirement	
59±1kg	Test run 1	0.36	1.68		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2	Test passed
	Test run 2	0.38	1.70			
	Arithmetic mean	0.37	1.69	0.22		
98±5kg	Test run 1	0.33	1.54			
	Test run 2	0.35	1.50			
	Arithmetic mean	0.34	1.52	0.22		

$a_{wS:}$rms value of the weighted seat vibration acceleration measured during a standard roadway test
Place: Changzhou, China Date: 25/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A12)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A12

1.2.1. Variant(s): SGW1000F-A12

1.2.2. Version(s): B

1.2.3. Commercial name(s) (if available):

Segway AT10 W MUD, Segway Snarler AT10 W MUD, Segway AT10 W MUD Standard, Segway AT10 W MUD Premium,

1.3. Category, subcategory and speed index of the vehicle:

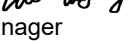
Variant/Version: SGW1000F-A12/B : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A12/B : 83.9 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 25/01/2026

Signature:  Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A12)

The undersigned: Tao yun feng, General Manager
Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China
Hereby declares that:
For the following vehicle:
1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A12
1.5.1. Variant(s): SGW1000F-A12
1.5.2. Version(s): B
1.5.3. Commercial name(s) (if available):
Segway AT10 W MUD, Segway Snarler AT10 W MUD, Segway AT10 W MUD Standard, Segway AT10 W MUD Premium
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A12/B : T3b
The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{WB}	Requirement	
59±1kg	Test run 1	0.27	0.84		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2	Test passed
	Test run 2	0.28	0.85			
	Arithmetic mean	0.28	0.85	0.33		
98±5kg	Test run 1	0.24	0.89			
	Test run 2	0.25	0.88			
	Arithmetic mean	0.25	0.89	0.28		

a_{wS}:rms value of the weighted seat vibration acceleration measured during a standard roadway test
Place: Changzhou, China Date: 25/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A13)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A13

1.2.1. Variant(s): SGW1000F-A13

1.2.2. Version(s): C

1.2.3. Commercial name(s) (if available):

Segway AT10 MUD Standard ABS, Segway AT10 MUD Premium ABS

1.3. Category, subcategory and speed index of the vehicle:

Variant/Version: SGW1000F-A13/C : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A13/C : 85.9 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 25/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A13)

The undersigned: Tao yun feng, General Manager
Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China
Hereby declares that:
For the following vehicle:
1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A13
1.5.1. Variant(s): SGW1000F-A13
1.5.2. Version(s): C
1.5.3. Commercial name(s) (if available):
Segway AT10 MUD Standard ABS, Segway AT10 MUD Premium ABS
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A13/C : T3b
The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Shock absorption Option A: Oil shock absorber

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{WB}	Requirement	
59±1kg	Test run 1	0.56	1.49		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2	Test passed
	Test run 2	0.57	1.50			
	Arithmetic mean	0.57	1.50	0.38		
98±5kg	Test run 1	0.57	1.57			
	Test run 2	0.57	1.58			
	Arithmetic mean	0.57	1.58	0.36		

Shock absorption Option B: Adjustbable air shock absorber

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{WB}	Requirement	
59±1kg	Test run 1	0.36	1.68		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2	Test passed
	Test run 2	0.38	1.70			
	Arithmetic mean	0.37	1.69	0.22		
98±5kg	Test run 1	0.33	1.54			
	Test run 2	0.35	1.50			
	Arithmetic mean	0.34	1.52	0.22		

$a_{wS:}$rms value of the weighted seat vibration acceleration measured during a standard roadway test
Place: Changzhou, China Date: 25/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager

DECLARATION OF DRIVER'S EXPOSURE TO NOISE LEVEL(SGW1000F-A14)

The undersigned: Tao yun feng, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY

1.2. Type: SGW1000F-A14

1.2.1. Variant(s): SGW1000F-A14

1.2.2. Version(s): C

1.2.3. Commercial name(s) (if available):

Segway AT10 W MUD Standard ABS, Segway AT10 W MUD Premium ABS

1.3. Category, subcategory and speed index of the vehicle:

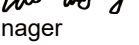
Variant/Version: SGW1000F-A14/C : T3b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-A14/C : 85.8 dB(A),

(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 25/01/2026

Signature:  Name and position in the company: Tao yun feng, General Manager

DECLARATION OF VIBRATION DECLARATION(SGW1000F-A14)

The undersigned: Tao yun feng, General Manager
Company name and address of the manufacturer:
Segway Technology Co., Ltd.
No. 395, Xiacheng South Road, Wujin National High-tech Industrial Development Zone, Changzhou, Jiangsu, China
Hereby declares that:
For the following vehicle:
1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW1000F-A14
1.5.1. Variant(s): SGW1000F-A14
1.5.2. Version(s): C
1.5.3. Commercial name(s) (if available):
Segway AT10 W MUD Standard ABS, Segway AT10 W MUD Premium ABS
1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-A14/C : T3b
The value of the vibration level measured according to Annex XIV to EU 1322/2014 is

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{WB}	Requirement	
59±1kg	Test run 1	0.27	0.84		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2	Test passed
	Test run 2	0.28	0.85			
	Arithmetic mean	0.28	0.85	0.33		
98±5kg	Test run 1	0.24	0.89			
	Test run 2	0.25	0.88			
	Arithmetic mean	0.25	0.89	0.28		

a_{wS}:rms value of the weighted seat vibration acceleration measured during a standard roadway test
Place: Changzhou, China Date: 25/01/2026

Signature: Tao Yunfeng Name and position in the company: Tao yun feng, General Manager



WARRANTY

WARRANTY POLICY 197

WARRANTY COVERAGE 197

DETAILS OF THE WARRANTY POLICY 197

WARRANTY INSTRUCTION 198

LIABILITY EXCLUSION 199

SUGGESTIONS FOR VEHICLE MAINTENANCE AND REPAIR 200

MAINTENANCE LOG 201

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 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.

MAINTENANCE LOG

Use the following chart to record periodic maintenance.

VIN	Date	Miles(Km)or Hours	Service item