SEGWAY




**SEGWAY TECHNOLOGY CO., LTD.**

powersports.segway.com

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A10-L200003-LEN-01

SEGWAY



# OWNER'S MANUAL

SGW500F-A7 SGW500F-A8

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 on-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.

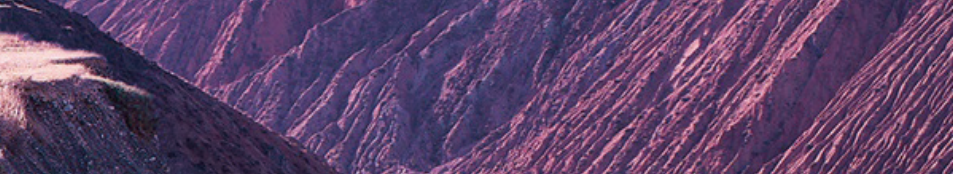
Before driving the vehicle, please understand the local laws and regulations, choose the allowed road driving, abide by the local traffic regulations.

This manual is 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 matters, please contact our dealer, our dealer will provide satisfactory service in a timely manner.

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



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# 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 than 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 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


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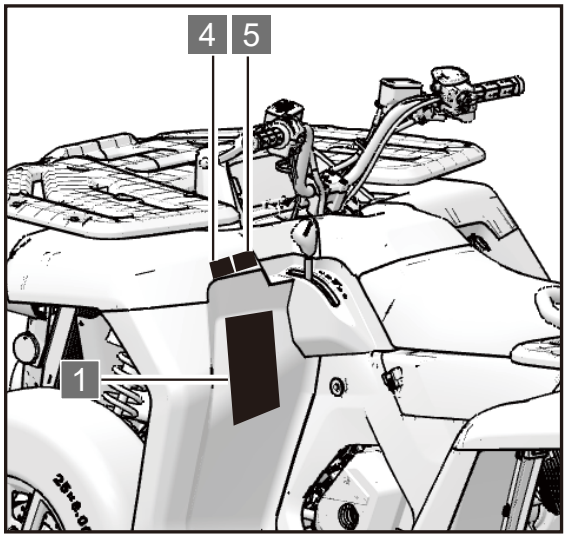
# SAFETY INTRODUCTION

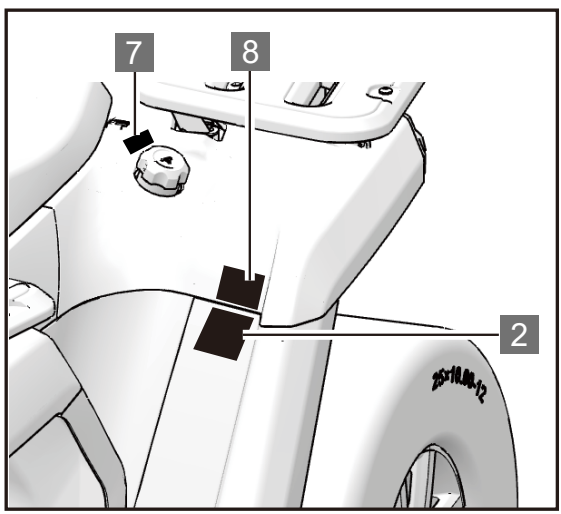
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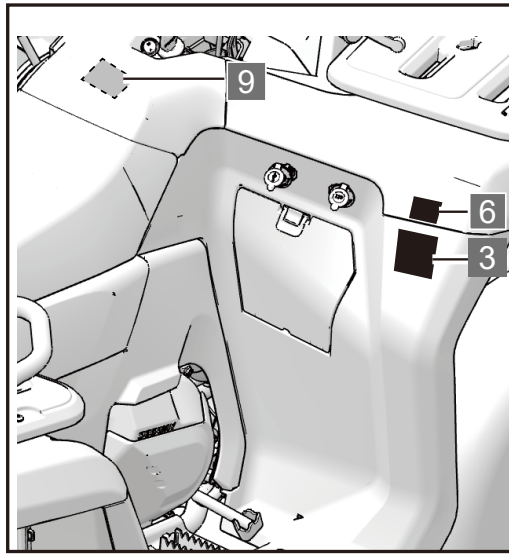
Failure to follow the warnings and safety precautions in this manual may result in serious injury or death. It can be dangerous to operate an ATV that is not regulated and is driven differently from other vehicles, such as motorcycles and automobiles. If proper precautions are not taken, a collision or rolled-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.

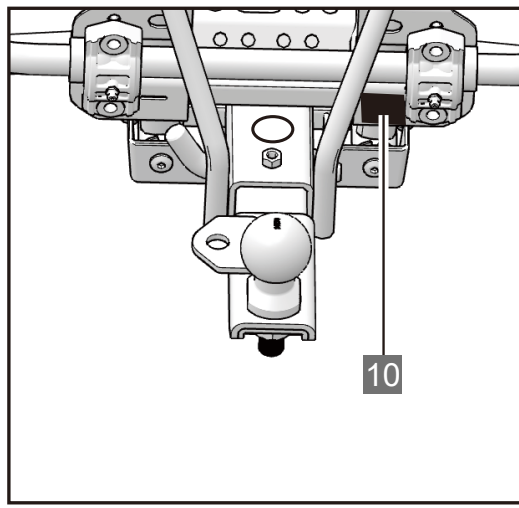
# WARNING LABELS

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.


4
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1


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10

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)**

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 **150 kg (331 lb)**
- Maximum unbraked tongue mass **100 kg (220 lb)**
- Maximum inertiabraked towing mass **600 kg (1323 lb)**
- Maximum inertiabraked tongue mass **100 kg (220 lb)**

A10-L100056-LEN-00

# 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 in fast flowing water or water deeper than the floorboards on this model. Remember that wet brakes may reduce stopping ability. Test your brakes after leaving water. If necessary, apply the brake several times to let friction dry out the linings.
- Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in reverse, go slowly.
- Always check terrain before going down hills. Go as slowly as possible. Never go down a hill at high speed.
- Always check for obstacles before operating in a new area.
- Do not brake abruptly when carrying loads.
- Always use the size and type of tires specified in this manual.
- Always maintain proper tire pressure as described in this manual.
- Never exceed the stated load capacity. Cargo should be distributed evenly between the front and rear racks. Be sure cargo is secured so that it cannot move around during operation. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking.

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

# IMPORTANT SAFETY INFORMATION

## READING THE MANUAL

**⚠ WARNING**

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

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



## SAFE DRIVING AGE

**⚠ WARNING**

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



## 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

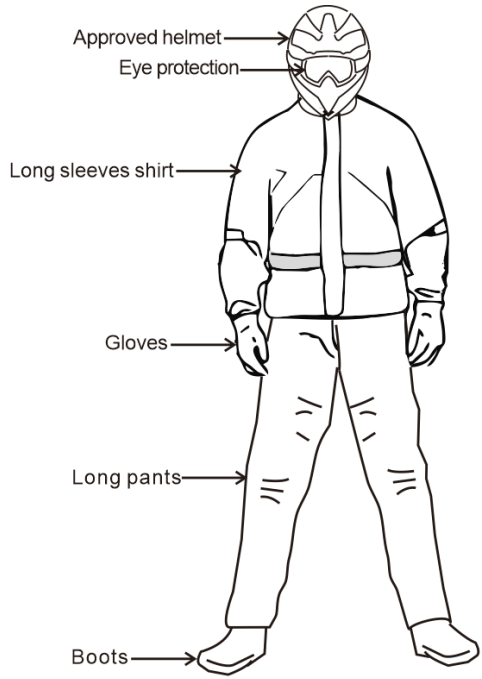
Sturdy off-rode motorcycle boots to help protect your feet, ankles, and lower legs.

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.



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# VEHICLE DEVICE

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# VEHICLE ACTIVATION

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

**NOTICE**

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

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

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

1. Power on the vehicle with the mechanical key.

Input or scan vehicle VIN code according to APP registration prompts, and step on the vehicle brake at the same time. The VIN barcode is located under the seat cushion. Note: The vehicle identification code may not be scanned due to the influence of light. You can try to enter the VIN code manually. The vehicle VIN code is either on the vehicle frame (see Page 149) or on the vehicle nameplate (see Page 150).

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.** |

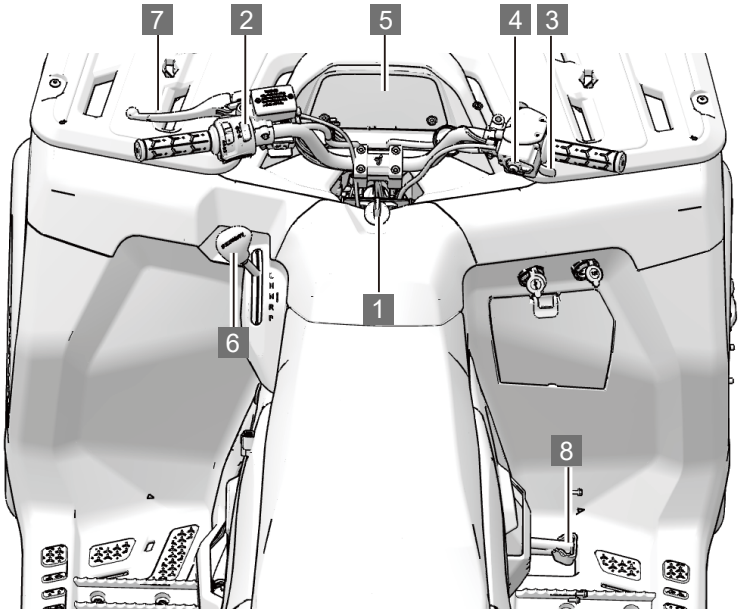
Mechanical key unlock is the optimal unlock method for vehicles. If you do not want to use the sensor unlock function, the sensor unlock setting can be turned off in the APP.

# APP FUNCTION

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

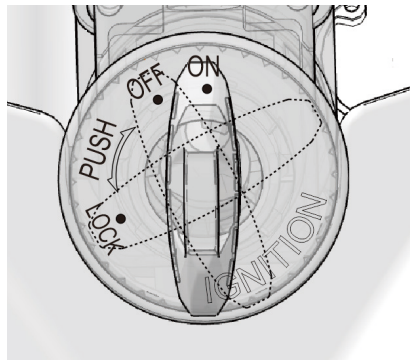
Main features: driving control analysis, vehicle data analysis, etc.

# CONTROLS




1 **Ignition Switch**
2 **Left handle Switch**
3 **Accelerator**
4 **2/4 WD Switch**
5 **Instrument**
6 **Shift Level**
7 **Brake/Parking Lever**
8 **Brake Pedal**

## IGNITION LOCK




**“ON”**: **Power On**

**“OFF”**: **Power Off**

**“LOCK”**: **Steering Lock**

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

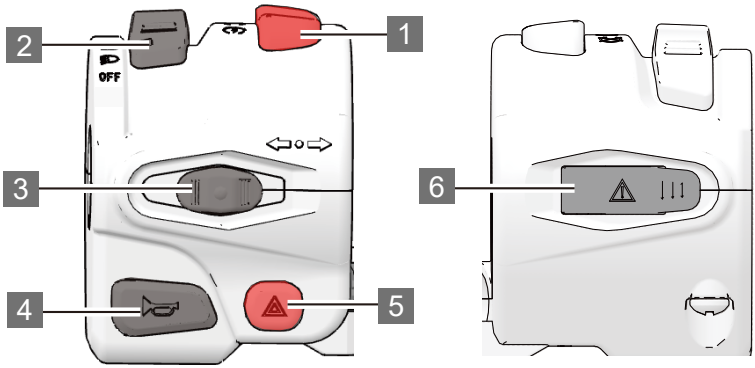
Turn the key to position “ LOCK ”: Lock the rotation direction of the vehicle, so that the vehicle direction is in a fixed position.

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

**Low beam mode " " :** Turn on the vehicle near-light in the mode

of near-light.

**"OFF": Light off mode**

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 Left right steering switch**

Switch Slide 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.

**4 Horn Switch** "  " .

**5** "  " **Emergency switch**

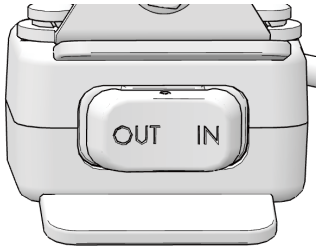
Use this switch in case of emergency, press the switch to start, and press stop again.The vehicle position light flashes when the emergency switch is on.

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

**6 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)

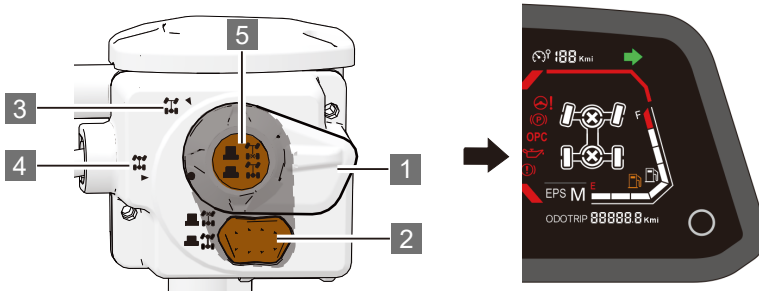



**OUT: Release the winch wire rope**

**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




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**

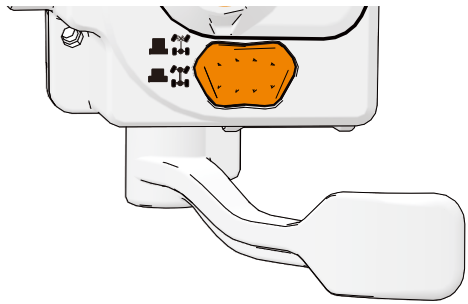
**The vehicle must be stopped to engage or disengage 2WD/4WD switch. Mechanical damage may occur if switch is engaged or disengaged while driving.**

| Button operation | Instrument indicator light | Model | Mode Status Description |
|---|---|---|---|
| Rear axle differential mode | | | |
| Rotate the selection handle to the " " position<br>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<br>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<br>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<br>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<br>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<br>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.



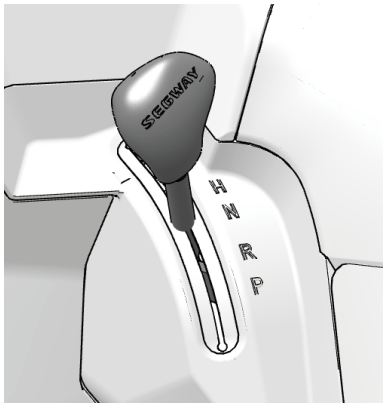
**Accelerator**

**⚠ 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.**

## 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**

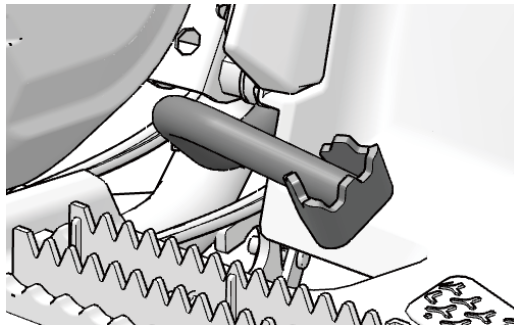
**P** **Parking**

***NOTICE***

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

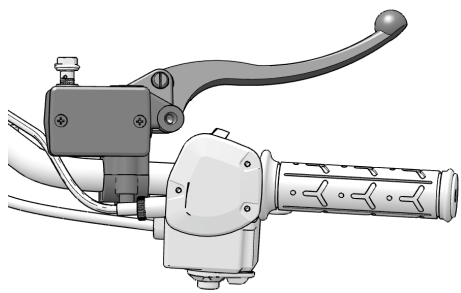
**If you change the gear when the engine is in idle speed or the vehicle is moving, it can cause transmission damage. Please place the transmission in parking gear and lock the parking brake when nobody drives the ATV.**

## 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

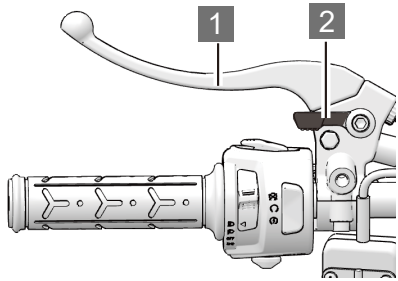
auxiliary brakes to brake the front wheels of the vehicle. If the rear wheels slide while using the auxiliary brakes, the brake lever pressure is reduced to prevent the rear wheels from slipping while braking.

**⚠ 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:**

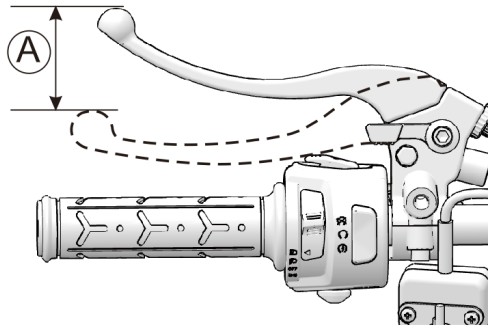
Place the shifter in "P" and squeeze the parking brake lever and hold. Squeeze the parking brake lever and hold it, rotate the parking brake lock upward, parking is completed when you hear a "click".

**Release the parking brake lever:**

Squeeze the parking brake lever, parking brake is released when you hear a "click".

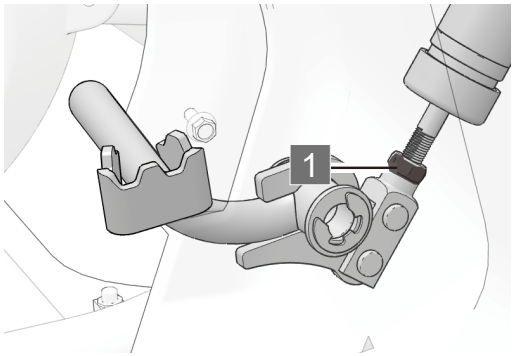
## PARKING BRAKE LEVER FREE CLEARANCE

**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




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.

## INSTRUMENT PARTS

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

**NOTICE**

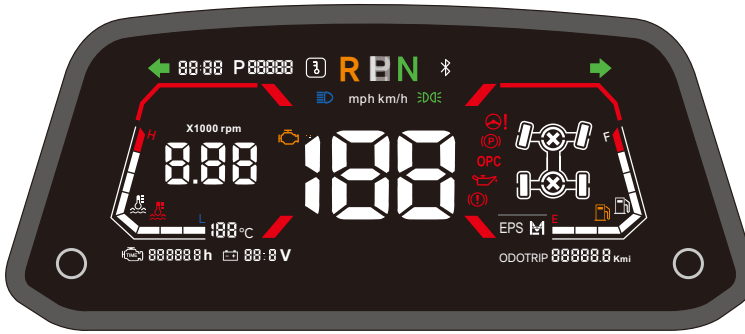
**The combination instrument may be damaged by using a high pressure cleaner. Do not clean the instrument with alcohol or corrosive detergent. Corrosive liquid will corrode the surface of the instrument and cause damage to the instrument.**

**NOTICE**

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

## INSTRUMENT INDICATOR LIGHT/WARNING LIGHT

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



## Indicator light/warning indication

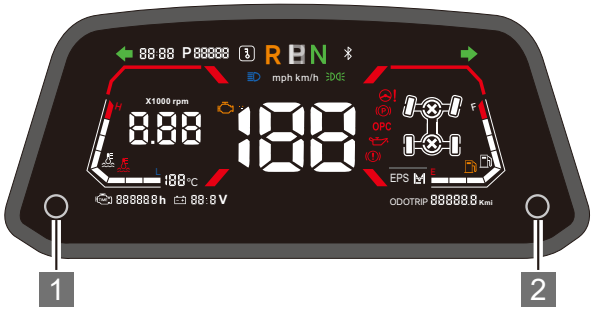
| Item | Legend | Functional specifications |
|---|---|---|
| Left Turn Signal |  | This light is lit when the left turn signal is turned on. |
| High Beam |  | This lamp illuminates when the headlamp switch is set to high beam. |
| Driving Lights |  | The front light, tail light, license plate light and instrument panel light are on. |
| Check Engine |  | This indicator appears if an EFI-related fault occurs. Do not operate the vehicle if this warning appears. Serious engine damage could result. |
| Oil Pressure Warning |  | This light is on when oil pressure is too low. |
| Warning for leave | OPC | This light is on after leaving the seat and the buzzer will beep when OPC is on. |
| Right Turn Signal |  | This light is lit when the right turn signal is turned on. |
| Neutral | N | This light is on when the gear shifter is in neutral (green). |
| Parking |  | This light is on after parking brake is applied. |
| Brake warning light |  | • Low brake fluid level<br>• 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<br>H -High temperature<br>C -Low temperature |
| Fuel level |  | The lamp lights up when the fuel level is too low. |
| Fuel meter |   | Display the current amount of fuel<br>F -High fuel volume<br>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<br>L -Low speed<br>H -High speed<br>R -Reverse<br>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<br> 4 x 4 patterns<br> Front axle lock mode<br> 2×4 two-wheel drive mode<br> 4×4 four-wheel drive mode<br> 4×4 rear axle lock mode |
| Battery Voltage |  | Display the current voltage of the vehicle battery |
| Total mileage or subtotal mileage |  | Display the total mileage accumulated by the vehicle |
| | | Single trip mileage |

| Item | Legend | Functional specifications |
|---|---|---|
| Fault code display | P 88888 | When ECU、EPS、T-BOX fails, the fault code is displayed in this area. See page 163 for detailed description of the fault code. |
| Engine running time | TIME 888888.8 h | Display engine running time |
| EPS On (Only brushless EPS is supported) | EPS M | M -Normal mode, power normal<br>H -Comfort mode, power light<br>L -Motion mode, booster weight |

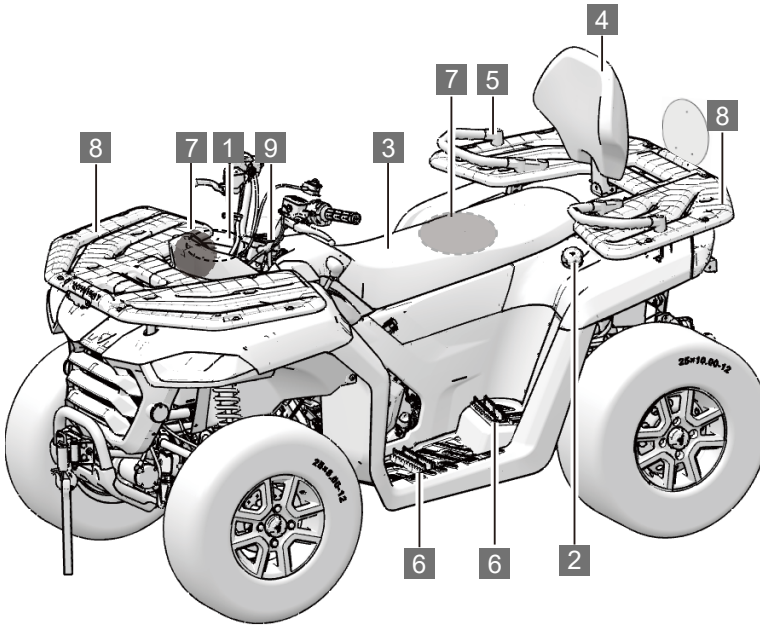
## SCREEN FUNCTION SETTING




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

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

# EQUIPMENT COMPONENT




1 Standby power output seat
2 Fuel filler spout
3 Cushion
4 Backrest
5 Passenger handrails
6 Foot pedals
7 Storage box
8 Front and rear racks
9 Steering handlebar

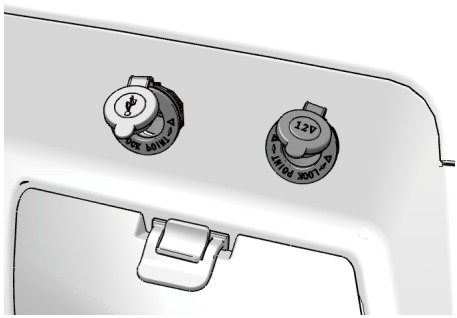
## STANDBY POWER OUTPUT SEAT

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:

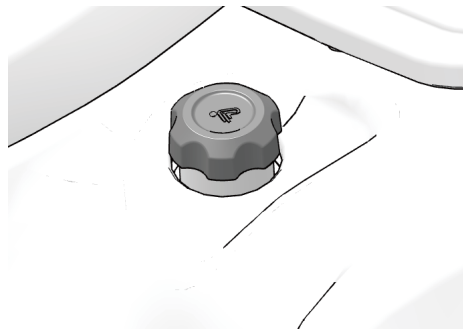
Place the ignition key in " ON " mode.

## FUEL TANK CAP

**⚠ 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.**



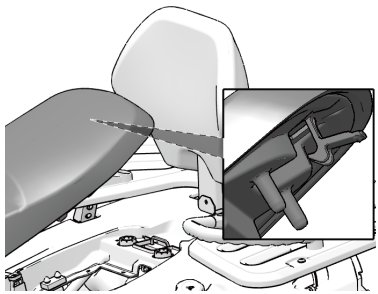
1. Unscrew the fuel cap clockwise.
2. Refuel the vehicle (don't overfill it).
3. Tighten the fuel tank cap .

## CUSHION

**Cushion removal**

The cushion is a snap-on quick release part.

1. Hook the cushion hook with your fingers and move it upward.
2. Lift the cushion upward after it springs open.
3. Remove the cushion.



**NOTICE**

**There is a cable connection under the cushion, please be careful when removing the cushion and moving it upwards.**

## CUSHION INSTALLATION

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

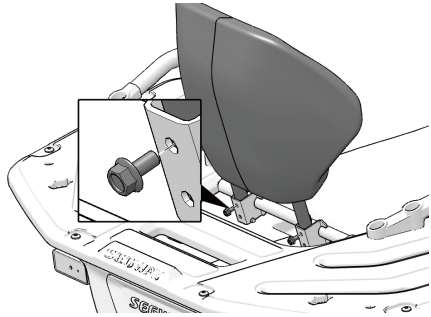
**⚠ CAUTION**

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

## BACKREST

### Backrest removal

The backrest can be removed after the three bolts and nuts fixing the backrest are removed in turn.



### Backrest installation

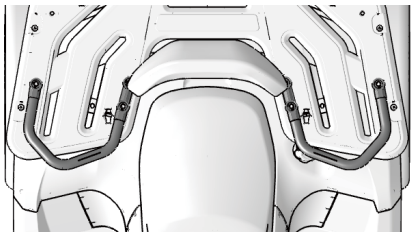
Place the backrest mounting holes into the corresponding mounting holes of the backrest mounting bracket and fasten with 3 hexagonal flange bolts M8×16 and M8 nuts.

## 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 HANDRAILS

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

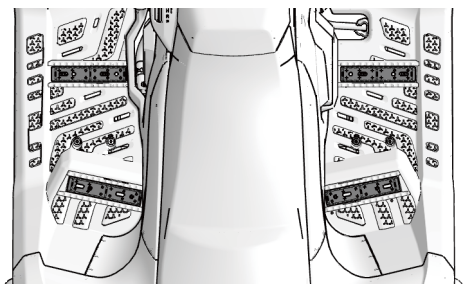


**⚠ WARNING**

**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**

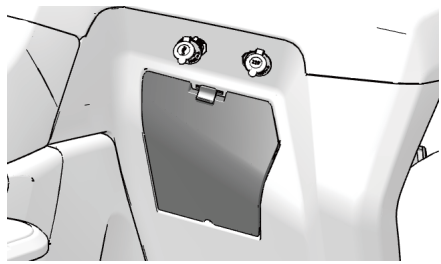
**During the operation of the vehicle, both the driver and the passenger must keep both feet on the foot serrations at all times**

## STORAGE BOX

The vehicle is equipped with 2 storage boxes.

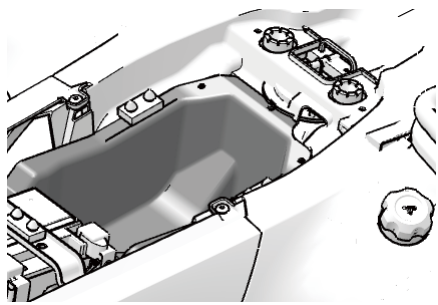
**Front storage box**

Located on the front right side of the vehicle.



**Middle storage box**

Located under the cushion, the driver's tool set is placed in this storage box, and the tool contains tools for basic maintenance.

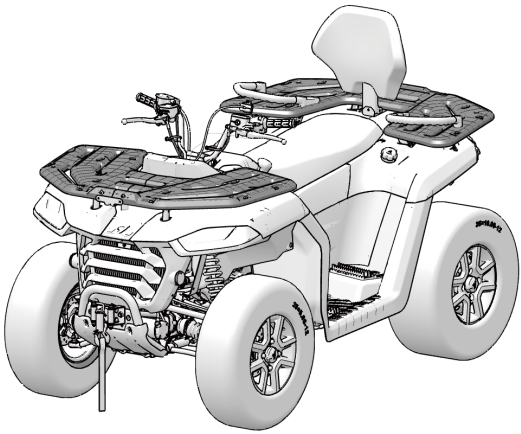


**⚠ CAUTION**

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

## RACKS

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



**⚠ WARNING**

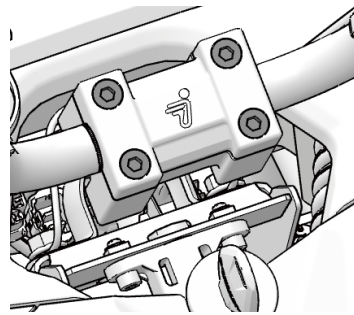
- **Do not carry passengers on racks**
- **Loads must not interfere with the driver's view.**
- **The weight of the load must not exceed the maximum load capacity of the rack.**

## HANDLEBAR ADJUSTMENT

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 to specification：

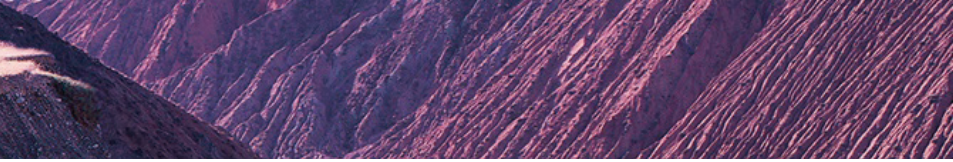
| Torque | Handlebar bolts: 26N.m |
|---|---|

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


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**INSPECTION ITEMS** ..... **59**
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# OPERATION


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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 | P45~P48 |
| Brake Fluid | Ensure proper level | P112~P113 |
| Auxiliary brake | Ensure correct operation | P45 |
| Front suspension | Check, lubricate if necessary | P121 |
| Rear suspension | Check, lubricate if necessary | P121 |
| Tires | Check status and air pressure | P115 |
| Wheel/Lug Nuts | Check, ensure fasteners airtightness | P117 |
| Fuel Level | Ensure proper level | P51 |
| Coolant | Ensure proper level | P108 |
| Indicator light | Ensure display status | P37~P41 |
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| Engine switch | Ensure correct operation | P30 |
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| Riding equipment | Wear approved helmets, care and protective clothing | P14~P15 |
| 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.



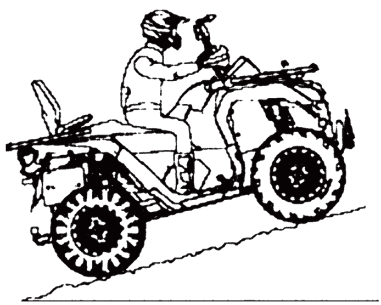
## DRIVING UPHILL

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:

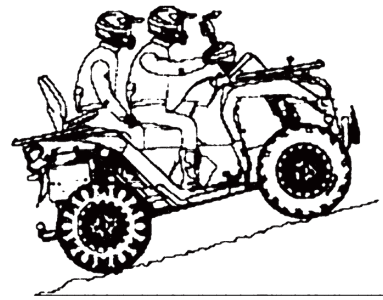
1. Drive straight uphill.
2. Avoid steep hills.

**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.

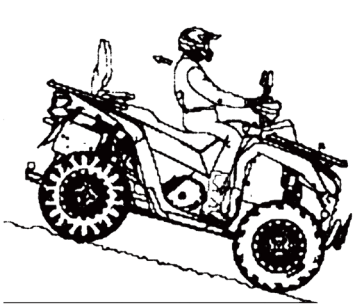
## DRIVING DOWNHILL

When driving downhill, follow these precautions:

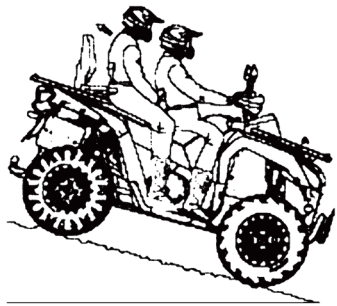
1. Avoid steep hills.

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.

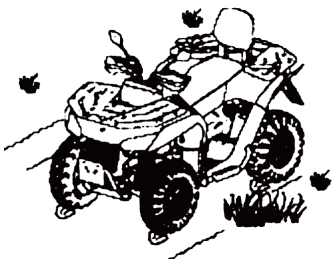
3. Lean into the hill, transferring your upper body weight toward the hill while keeping your feet on the footrests.

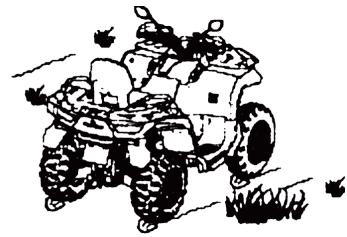


4. If the vehicle begins to tip, quickly turn the front wheel downhill, if possible, or dismount on the uphill side immediately!

## PARKING ON AN INCLINE

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

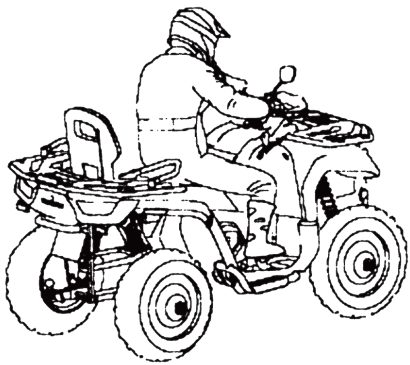




1. Stop the engine.
2. Place the transmission in PARK.
3. Lock the parking brake.
4. Always block the rear wheels on the downhill side.

## 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.**

**⚠ WARNING**

- **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.**
- **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).**

## MAXIMUM LOADING CAPACITY

Don’t go beyond the maximum loading capacity.

| Vehicle Model | SGW500F-A7 | SGW500F-A8 |
|---|---|---|
| Front Shelf | 40KG | 40KG |
| Rear Shelf | 60KG | 60KG |
| Maximum unbraked towing mass | 150 kg | 150 kg |
| Maximum unbraked tongue mass | 100 kg | 100 kg |
| Maximum inertiabraked towing mass | 600 kg | 600 kg |
| Maximum inertiabraked tongue mass | 100 kg | 100 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)

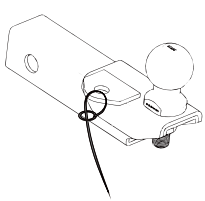
The towing device is a detachable part. It can be removed from the ATV if you are not using a trailer. If you need to tow a load, please be remained that the towing weight does not include the towing device.

- 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:**

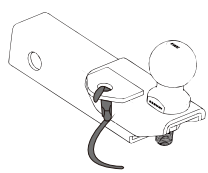
Either:

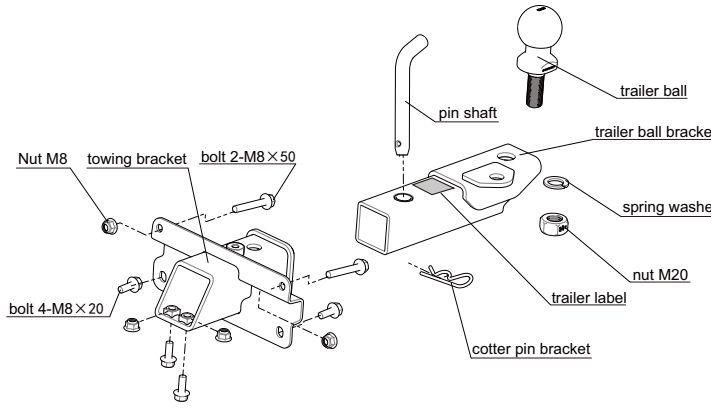
Pass the cable through the attachment point and clip it back on itself.



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 wire rope to prevent kinks and uneven wire layers. The slack rope must be properly tightened under a weight of about 200.46 pounds.
- When pulling the load, be sure to lay a blanket or protective layer on the wire rope near the hook end. This will prevent the possibility of breaking the wire rope and help prevent serious injuries and damage.
- **Do not move the winch to assist in hauling heavy objects. It is easy to overload and cause damage to the wire rope.**
- Pay attention to the dangerous areas and stay away from them during the operation. Dangerous areas are winch drum, fairlead, wire rope, pulley block, hook and motor.
- When the winch is under load, do not approach or cross the rope.
- When using the hoist to move the load, place the vehicle transmission in neutral and apply brake of the vehicle and plug all wheels with wedges. When the hoist is working, the vehicle engine should be operated to fully charge the

battery. Never use the hoist with insufficient voltage.

- Never disconnect the power supply when there is a load on the winch.
- After 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 wires regularly. When handling the steel wire rope, please wear thick leather gloves. Do not let the steel wire rope slip over your hands. Check the steel rope before use. The crushed, pinched, worn or kinked area has seriously reduced the carrying capacity. The damaged steel wire 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 wire rope should be pulled by the hook of the protective lever. Do not pull the wire rope directly through the hook with your fingers.**
- Maintain the specified tension so that the cable can be wound on the reel and re-rolled after the operation tight.
- Do not operate the winch under the influence of alcohol or drugs. In operation, be vigilant during the process. If there is a problem, you should cut off the battery immediately and check it-carefully.
- Wear goggles, insulating overalls, non-slip shoes, work caps, thick leather gloves. Place your hair tightly under the work cap and remove all jewelry.
- Do not mechanically process or melt any part of the winch.
- When the winch is in use, be sure to start the vehicle engine and set the gear position to "N" to make sure battery is charging.
- When the winch is working, the current is large, so you

must start the vehicle and step on the accelerator lightly to avoid damage to the battery.

- The winch rope and the vehicle should be in a straight line. Too big an angle will change, the direction of the pulling force, thereby damaging the rope.
- If severe noise or vibration occurs during the use of the winch, it must be stopped immediately.
- When the winch is not used, please remove the controller.

**⚠ WARNING**

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

**⚠ WARNING**

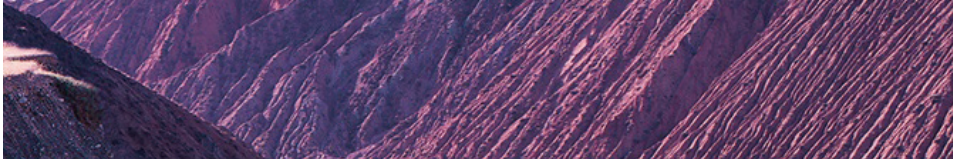
**Always use the tow rope to pull the hook. Do not hold the hook with your hands. This is not only important when winding the wire rope, but also when removing the wire rope from the winch under power.**





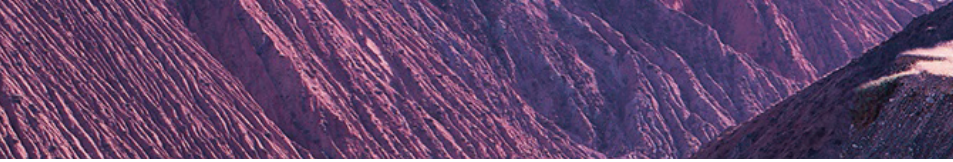
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# PERIODIC MAINTENANCE

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

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

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

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

**Severe use is defined as:**

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

# MAINTENANCE CHART KEY

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

**⚠ WARNING**

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

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

## PRE-RIDE MAINTENANCE

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

## BREAK-IN MAINTENANCE

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

## PERIODIC MAINTENANCE

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

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

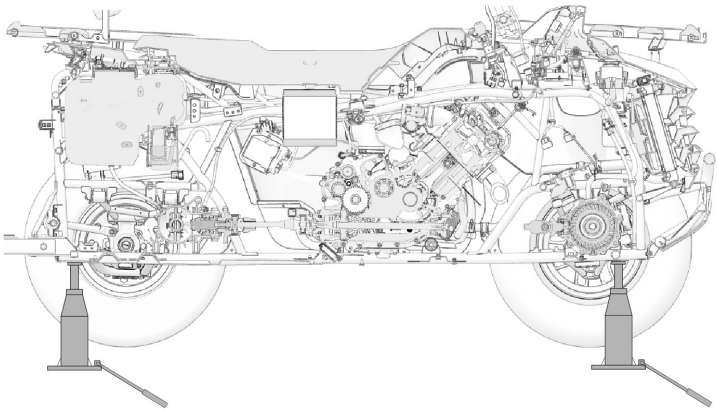
## PERIODIC MAINTENANCE

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

## LIFTING AND SUPPORTING THE VEHICLE

Place vehicle on a flat non slippery ground. Engage the 4WDmode.
Ensure vehicle shift lever is set to PARK.

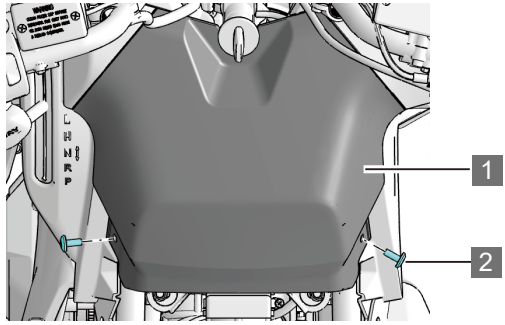
When lifting the front or rear of the vehicle, place the jack in the left and right center of the front or rear of the vehicle, as shown in the figure below：



**Schematic diagram of jack support position**

## AIR FILTER COVER

The engine oil filling port and spark plug are located under the air filter cover.

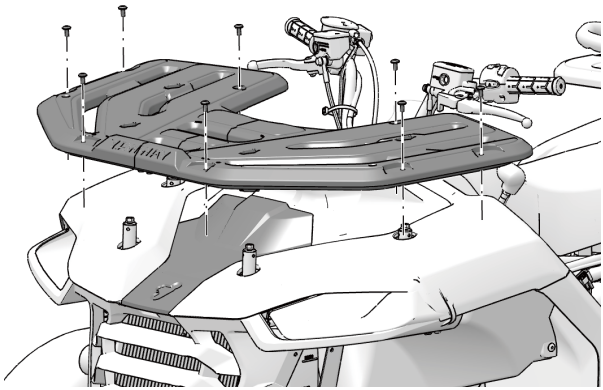



1 **Air filter cover** 2 **Hexagon screws**

1. First remove the seat.
2. Use a tool to remove the two hex screws behind the air filter cover.
3. Remove the air filter cover.

## FRONT PANEL MAINTENANCE COVER REMOVED

Coolant filler, fuse box, brake fluid cup, etc. are located below the service cover.



To remove the front panel service cover, do the following:

Remove the fasteners from the front shelf assembly and remove the quick-detachable front panel maintenance cover.

# LUBRICATING OIL

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

| Project | Recommended model | Capacity | Inspection procedure |
|---|---|---|---|
| Engine oil | SAE 10W/40 SJ or higher | 2.2 L | Maintain level in safe range on dipstick |
| Front axle gear oil | SAE 80W-90 GL-5 | 170 mL | Drive each 2000km(1200MI) Kilometers. |
| Rear axle gear oil | SAE 80W-90 GL-5 | 260mL | |
| Coolant | | 3000 mL | Maintain the level between the fill lines. |
| Brake fluid | DOT4 | | Maintain the level between the fill lines. |
| Suspension, balance bar grease | | —— | Grease nozzle ( 3 Pump max) per 500 mile. |

# 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

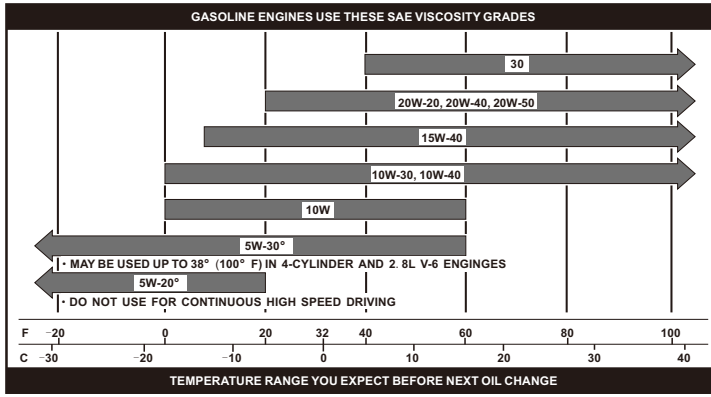
Change the oil filter every time you change the oil.

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.**



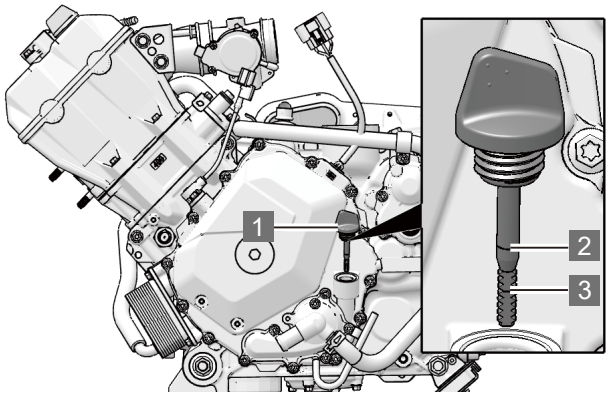

## ENGINE OIL LEVEL CHECK

**NOTICE**

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

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

Check the oil level as shown in the figure below. The oil level is between the Upper engraved line 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.




1 **Oil dipstick** 2 **Top line** 3 **Bottom line**

6. After cleaning the oil dipstick, fully insert it again.

## 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.

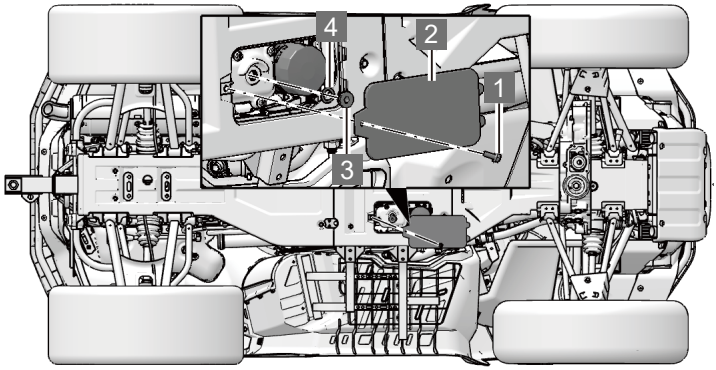
**NOTICE**

**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 Bolt 2 Filter inspection cover 3 Oil drain plug 4 Gasket**

The engine oil drain plug is located under the maintenance cover plate of the frame floor at the bottom of the vehicle.

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

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

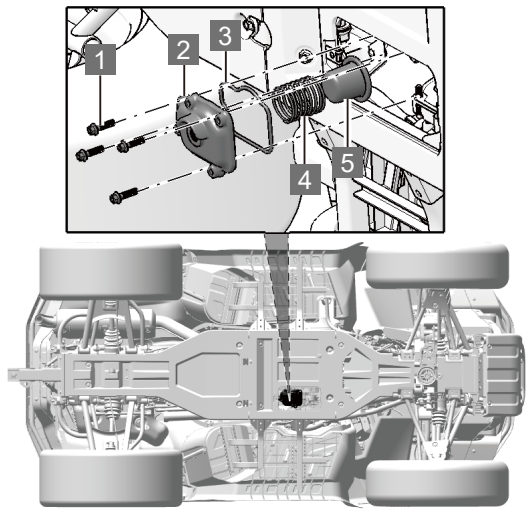
6. Put a new sealing washer onto the drain plug and reinstall the drain plug.

**Torque specifications:**

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

## OIL STRAINER CLEAN

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




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

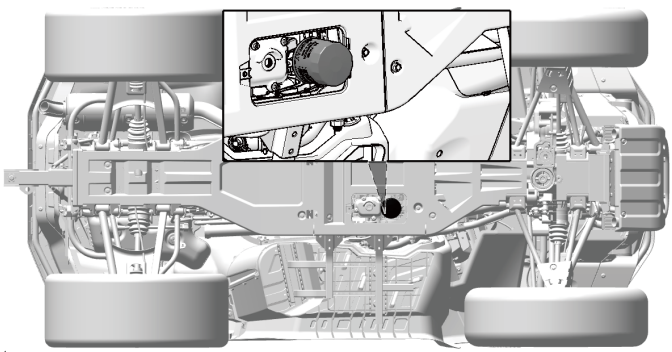
The oil filter can be checked after the oil is discharged. If cleaning is needed, please take the following steps:

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

## OIL FILTER CHANGE

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

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

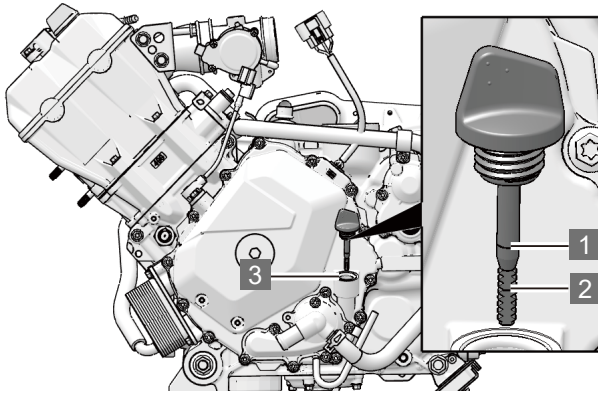


1. Remove the screw of the frame bottom maintenance cover plate, remove the frame bottom maintenance cover plate, the oil filter is located here, put the towel under the oil filter.
2. Remove the oil filter with the oil filter wrench.
3. Replace the new O-ring, lubricate it with lubricating oil and install it on the new filter.
4. Tighten the new filter to the specified torque.

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

| NOTICE |
| --- |
| **Change the oil filter every time you change the oil.** |

## ADD OIL




1 **Top line** 2 **Bottom line** 3 **Oil filling port**

The oil dipstick can be used to add oil.

1. Pull out the oil dipstick.
2. Add the appropriate amount of recommended model oil, do not overfill, the oil level is located between the upper scale and the lower scale is the appropriate oil level.
3. Tighten the oil gauge again.
4. Put the shifter in park gear.
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 needed so that the oil level reaches the mark on the dipstick.
10. Dispose of used filters and oil properly.

# FRONT/REAR GEAR BOX LIQUID

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

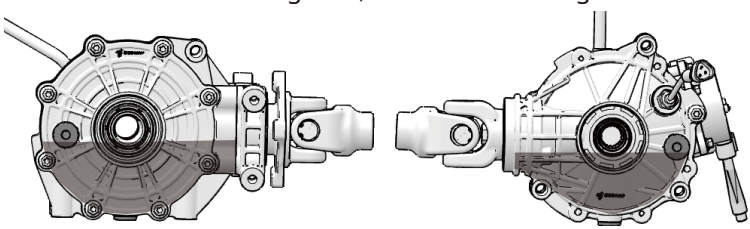
**NOTICE**

**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/REAR AXLE GEAR OIL CHECK

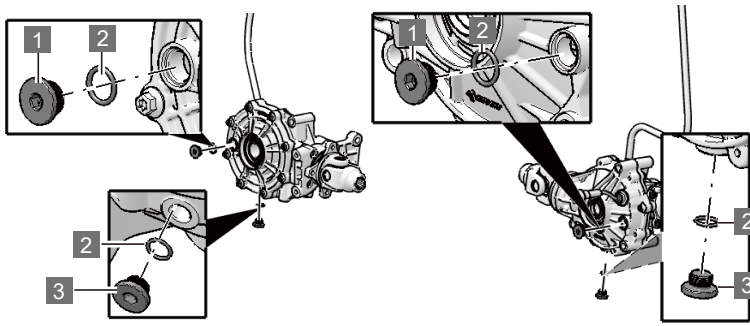
The liquid level of the front and rear axle should reach the bottom of the thread of the filling hole, as shown in the figure below:



1. Position the vehicle on a horizontal surface and remove the filling plug.
2. Check the liquid level of the front and rear alxes.
3. If the liquid level is at the appropriate level, the appropriate amount of recommended liquid should be added.
4. Reinstall the drain plug.
5. Check for leaks. Dispose of used liquids properly.

## FRONT/REAR AXLE GEAR OIL

The filling plugs of the front and rear axle are located on the left side of the axle body, and the drain plugs are located at the bottom of the axle body.




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

1. Position the vehicle on a level surface. Remove filling plug.
2. Remove the oil drain plug and O-ring, so that the grease in the axle body is completely discharged.
3. Clean and reinstall the exhaust plug and O-ring. If the O-ring is aging, replace it with a new O-ring.
4. Reinstall the drain plug and O-ring according to the recommended torque.
5. Add the appropriate amount of recommended oil, the level should reach the bottom of the filling hole thread.
6. Reinstall the filling plug and O-ring according to the recommended torque.
7. Check for leaks and properly dispose of used liquids.

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

| *NOTICE* |
|---|
| Dispose of used fluid properly. |

# CTV DRIVE BELT

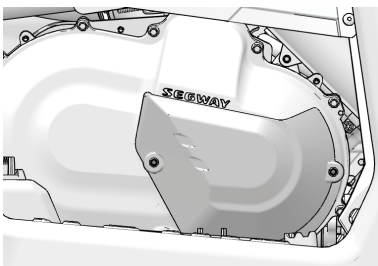
Check the CVT drive belt according to the time specified in the vehicle maintenance schedule. If the CVT belt is damaged, it should also be replaced.

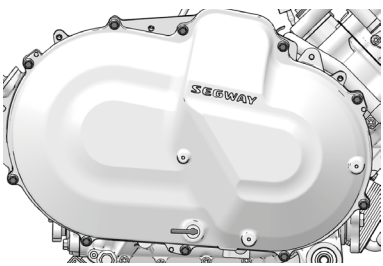
## BELT REPLACEMENT/DEBRIS REMOVAL

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.**



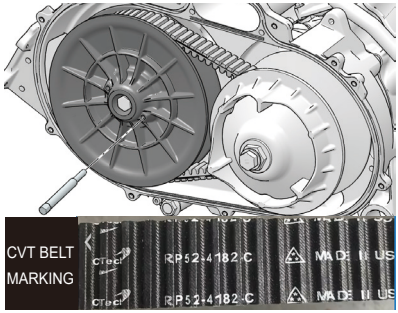

**Remove drive belt**

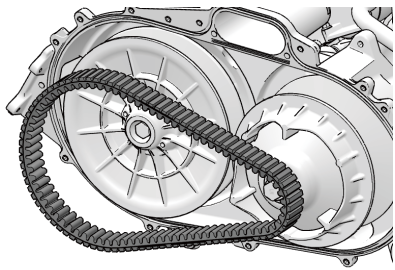
Stop vehicle engine before replacement and allow vehicle to cool fully.

1. First remove the right cover of the vehicle.

2. Remove the CVT anti-ironing board on the CVT.

3. Remove the CVT cover bolt and remove the CVT cover and CVT cover sealing ring.



4. with the kit-out pin for driven pulley(special tool) against the driven wheel as shown in the figure of the hole, make the driven wheel open.

**⚠ WARNING**

**Before removing the drive belt, please note the direction of the marks on the drive belt (such as manufacturer name, arrow mark, etc.) so that the drive belt can be reinstalled on the pulley in the original direction.**

5. Take out the drive belt to be replaced, and clean up the debris in the CVT compartment.

## INSTALL DRIVE BELT

**⚠ CAUTION**

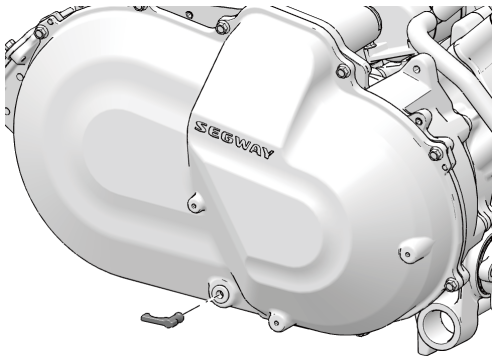
**Ensure that the new belt direction is consistent with the original belt installation direction.**

- 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.

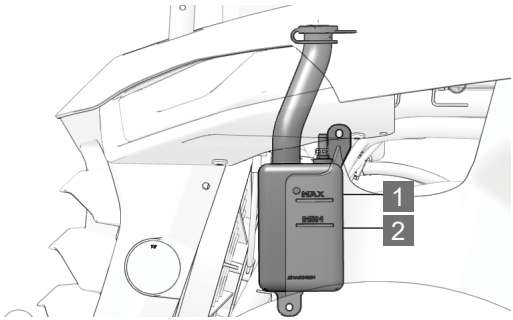
## RADIATOR INSPECTION

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

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

## 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.

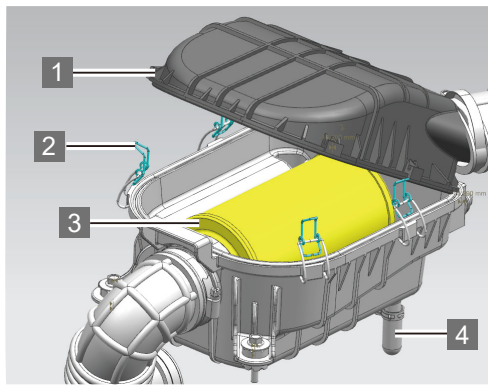
# AIR FILTER

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.

## Remove the air filter cover




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

The air filter is located under the air filter cover in front of the cushion, and the replacement steps are as follows:

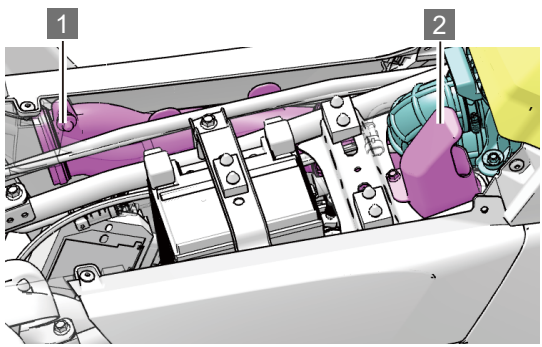
1. Press and move the air box cover clamp.
2. Pull up the front air filter cover.
3. Take out the old air filter.
4. Clean the filter.
5. Install a new filter if necessary.
6. Make sure the air filter is securely anchored.

# CVT AIR INTAKE FILTER

The frequency of inspection and cleaning of the CVT air intake filter shall be adjusted according to the driving conditions.

## CVT INTAKE FILTER CHECK

It is recommended to regularly check the CVT intake filter, which should be checked according to the following procedures:There are two CVT air intakes, both located under the seat cushion.




**1 Air inlet 1** **2 Air inlet 2**

Clean the CVT air inlet filter and replace it with a new air inlet filter if necessary.

# BRAKE SYSTEM

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

**⚠ WARNING**

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

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

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

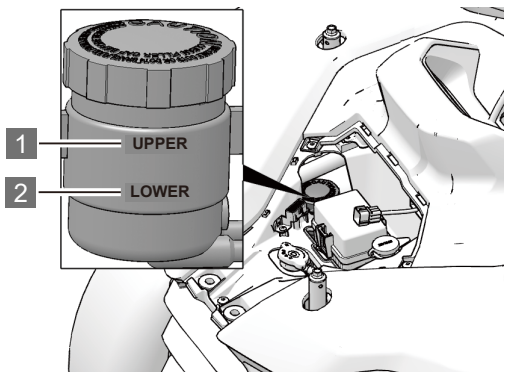
## BRAKE OIL

Use the recommended brake oil:

| Brake Oil | DOT4 |
|---|---|

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

1. Remove the front shelf and the lower cover of the instrument. See 93 for the removal method.Observe the liquid level in the container:




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

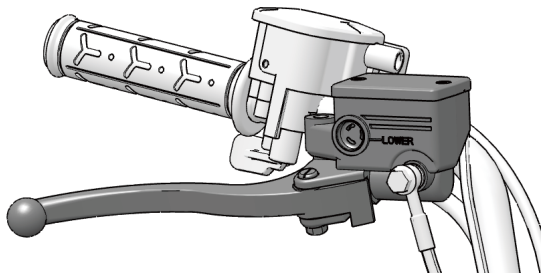
3. The brake fluid level is most suitable between the upper level and the lower level. If it is lower than the lower level, please add the recommended brake fluid and observe the liquid level.
4. Check whether the brake pads are worn.

**NOTICE**

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

## FRONT BRAKE FLUID

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




**LOWER mark**

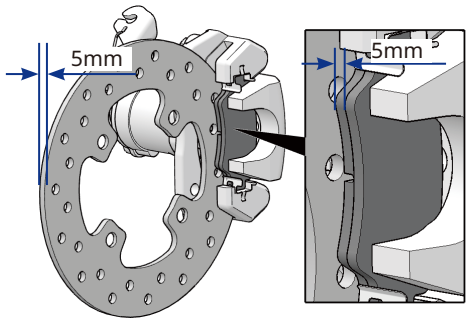
1. Replenish brake fluid.
2. Check whether the brake pads are worn.

## 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.

## TIRE REPLACEMENT

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

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

**⚠ CAUTION**

**Any loose lug nuts may cause the tire to fall off during operation which may cause an accident or rollover. Always ensure that all lug nuts are tightened to the required value 74~88ft. lbs. (100~120N·m). Do not use lubricating oil or grease on wheel bolts or wheel nuts. Lubricating oil or grease may cause excessive tightening of wheel nuts, resulting in damage to bolt or spoke wheels. In addition, lubricating oil or grease can cause wheel nuts to become loose and wheels may fall off, which can lead to accidents and serious injuries. Remove any lubricating oil or grease from wheel bolts or wheel nuts.**

**⚠ WARNING**

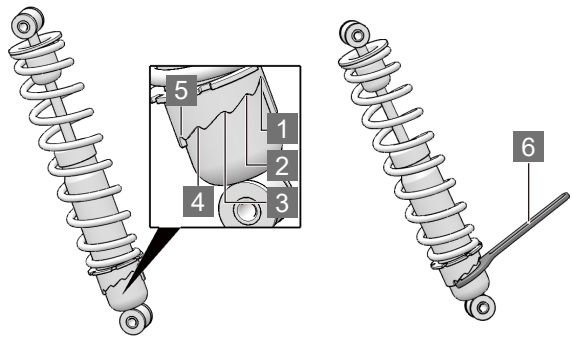
**Do not use wheels of different sizes other than recommended in the User's Manual as this can cause the vehicle to lose control.**

| | The front wheel | The rear wheel |
|---|---|---|
| The recommended size | 24×8.00-12 | 24×10.00-12 |
| | 25×8.00-12 | 25×10.00-12 |

# SHOCK ABSORBER ADJUSTMENT

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

## OIL SHOCK ABSORBER




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

Position 1 : For light load or flat terrain.

Position 2 : Standard position.

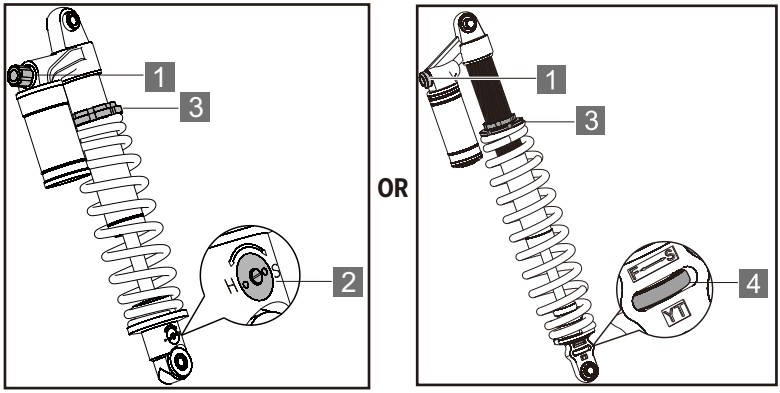
Position 3 ~ 5 : When ATV load is heavy, it can be adjusted to this position.

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

**⚠ CAUTION**

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

## ADJUSTABLE AIR SHOCK ABSORBER




**1 Compression damping adjustmen knob**

- Turning the knob clockwise increases the shock's compression damping.
- Turning the knob counterclockwise reduces the compression damping of the shock absorber.

**2 Recovering the damping adjusting valve.**

**Use flat screwdriver to adjust the valve.**

- Turning to the "H" direction, the return damping increases.
- Rotating in the “S” direction reduces the return damping.

**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..

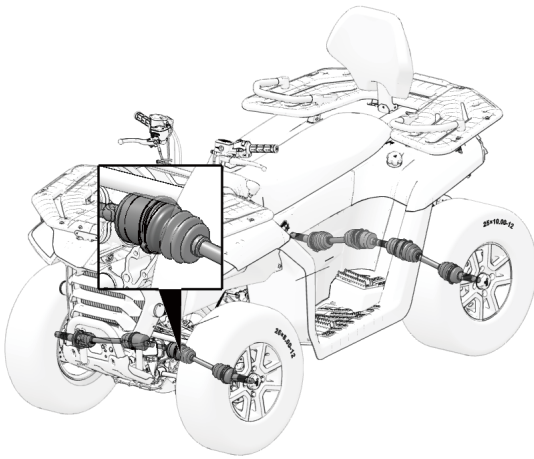
Grease filling label






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

# 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 lights are composed of multiple LED lamp beads. If the LED headlights or taillights are damaged, take the vehicle to a dealer for replacement headlight components.

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

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

**⚠ CAUTION**

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

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

## HIGH BEAM ADJUSTMENT

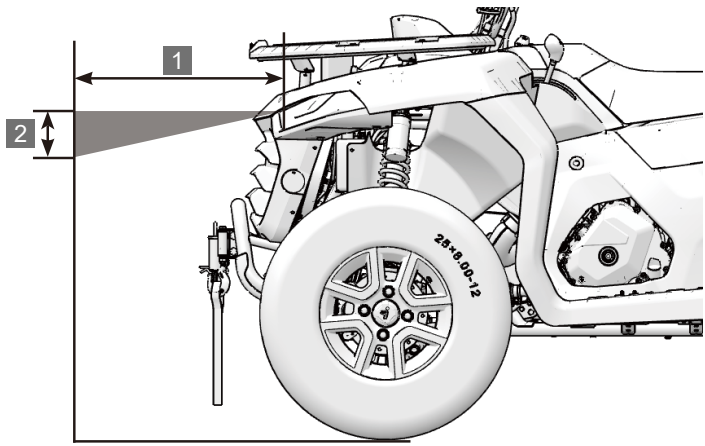
The headlight beam can be adjusted slightly up/down. Use the following procedure to make adjustments.

**⚠ 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.

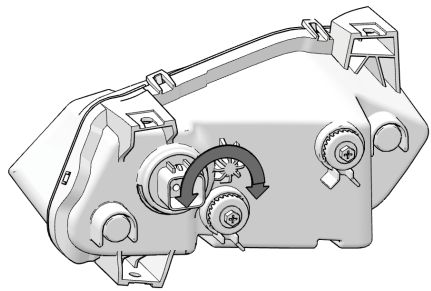



2. Measure the distance from the floor to the center of the headlights and mark the walls at the same height.
3. Start the engine. Convert headlight switch to high beam.
4. Watch the headlights aim at the wall. The strongest part of the headlight beam should be 2 inches. Measurement on the seat includes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

**Headlight beam adjustment up and down**

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

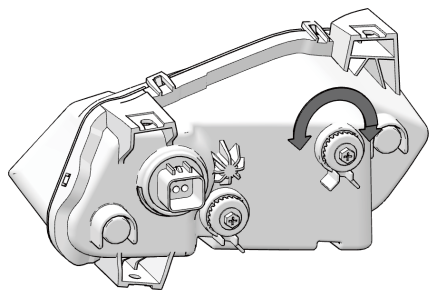
To lower the headlight beam, turn the headlight speed adjustment screw clockwise.



1 **Light adjusting screw**

**Left and right adjustment of the headlight beam**

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



1 **Light adjusting screw**

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

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

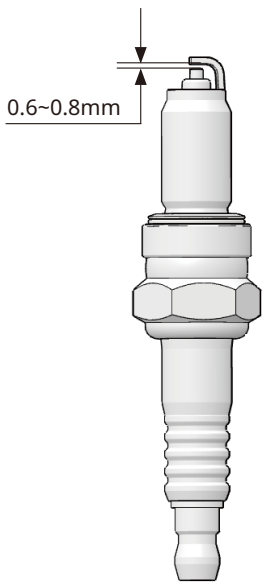
# SPARK PLUG

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

**⚠ CAUTION**

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

| Spark Plug | Model | Spark Plug Gap |
|---|---|---|
| | CPR7EA / B7RTC | 0.6-0.8mm |

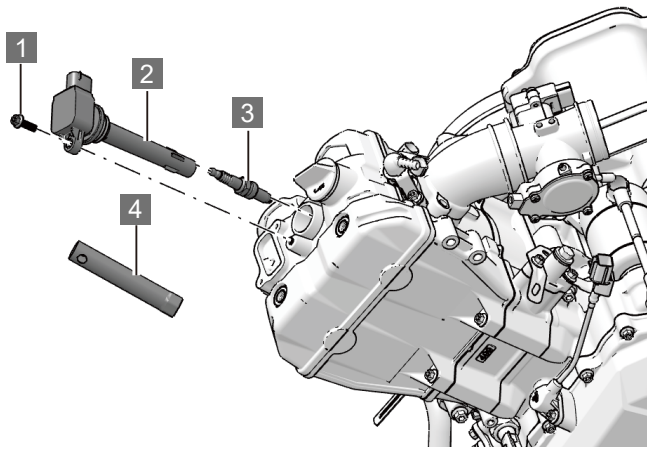


## SPARK PLUG INSPECTION

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

**⚠ CAUTION**

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




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

The spark plug is located under the cushion. Please refer to page 91 for removing the cushion.

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

Spark plug normal status: The electrode part is grayish white, grayish yellow or light brown, and the electrode gap is about 0.6-0.8mm.

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

# SPARK ARRESTER

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

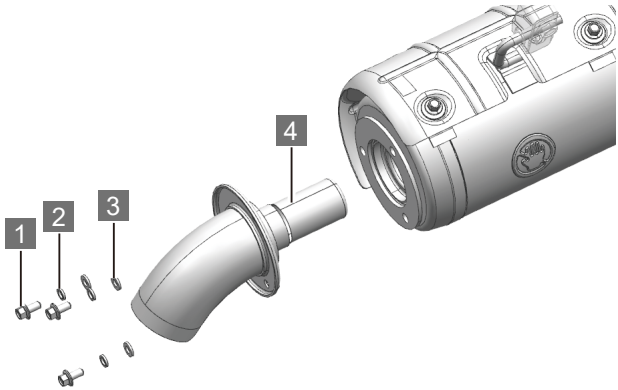
**⚠ WARNING**

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

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

**Safety glasses are recommended in this procedure.**

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




1 **Bolt M6*16 (3 pieces)** 2 **Spring washers (3 pieces)**

3 **Flat washers (3 pieces)** 4 **muffler spark arrestor**

1. Remove 3 pieces of M6*16 bolts, spring washers and flat washers.
2. Start the engine and increase its speed about 20 times, and at the same time block the end of the muffler with a towel, and instantly generate the air pressure of the exhaust system.
3. Allow the engine exhaust pipe to cool.
4. Use a soft brush to remove carbon deposits from the spark arrestor mesh.
5. Reinstall the spark arrester in reverse order of disassembly, and tighten the fixing screws.

# 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.**

## ELECTRONIC POWER STEERING（EPS）

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

**NOTICE**

**When the key is turned to the "ON" position, the EPS warning indicator lights up briefly. Please refer to P42.**

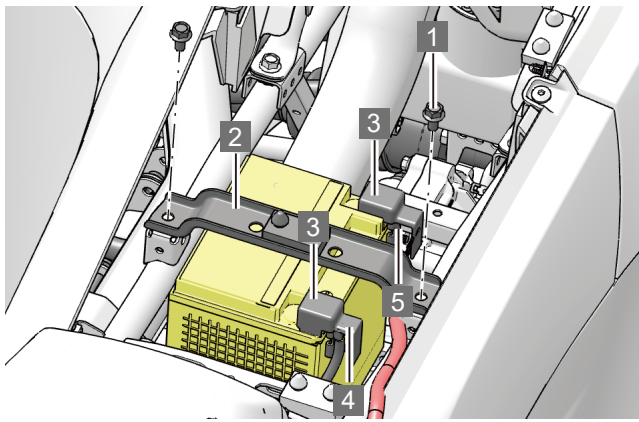
After the key switch is turned to the "OFF" position, the EPS system will be turned off.

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.

## BATTERY DISASSEMBLY

**NOTICE**

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




The battery is located below the cushion.

Cut off the power before removing battery.

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

3 **Protective rubber sleeve**

4 **Positive and negative anchor bolt cable**

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

1. Use a tool to remove the battery cover bolt M8×12.
2. Remove the battery pressure plate.

3. Turn up the positive and negative protective rubber sleeves.
4. Remove the battery negative screw and nut and disconnect the black (negative) battery cable.
5. Remove battery positive screw and nut and disconnect 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 the battery cables and terminals with a stiff wire brush. Corrosion can be removed with a solution of one cup of water and one tablespoon of baking soda. Rinse well with clean water and dry thoroughly.
2. Place the battery in the tray.
3. Connect and tighten the red (positive) cable and replace the insulating rubber boot.
4. Connect and tighten the black (negative) cable and replace the insulating rubber boot.
5. Install the battery pressure plate.
6. Tighten the battery pressure plate bolts.

Verify that the cables are routed correctly.

## BATTERY CHARGING

**NOTICE**

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

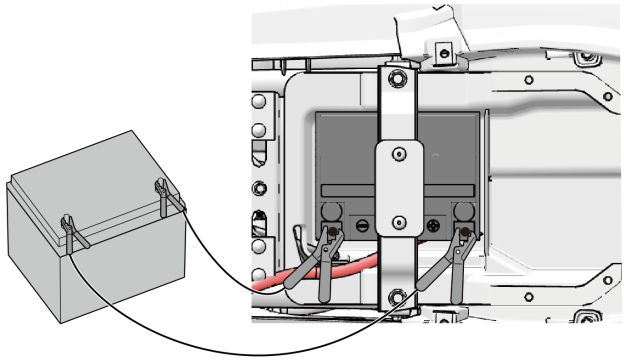
**If charging the 12V battery is still installed in the vehicle, be sure to disconnect the ground cable.**

**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.**

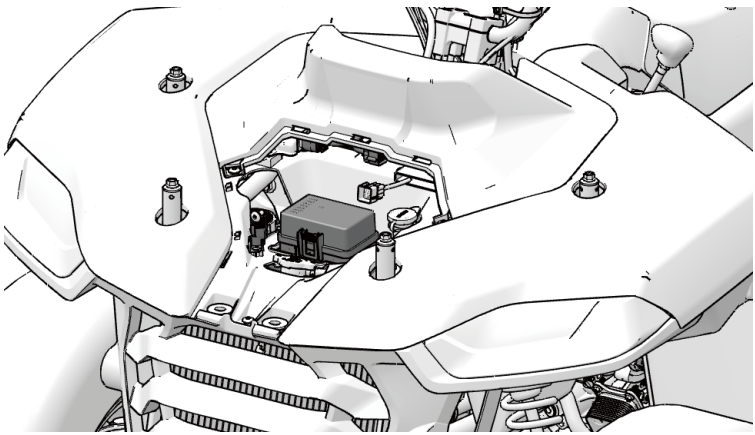
## FUSE BOX

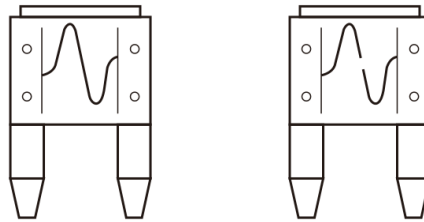
The fuse box is located under the vehicle's front access cover.

Remove the front shelf, 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.**

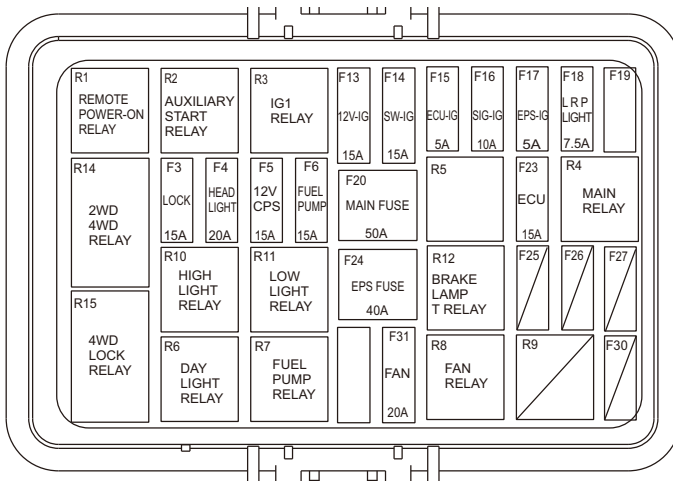




Normal fuse Blow fuse

## FUSE/RELAY DISTRIBUTION AND RATED AMPERAGE

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




**Rated amperage of fuse/relay and distribution**

| No. | Fuse/Relay | Power | No. | Fuse/Relay | Power |
|---|---|---|---|---|---|
| F3 | IGNITION LOCK | 15A | R1 | REMOTE POWER-ON RELAY | 12V 20A |
| F4 | HEAD LIGHTS | 20A | R2 | AUXILIARY STARTER RELAY | 12V 20A |
| F5 | DASHBOARD/ ECU/OBD/TBOX | 15A | R3 | IG1 RELAY | 12V 20A |
| F6 | FUEL PUMP | 15A | R4 | MAIN RELAY | 12V 20A |
| F13 | 12V-IG | 15A | R6 | DAYTIME RUNNING LIGHT RELAY | 12V 20A |
| F14 | LIGHT/RAKE/2-4 DRIVE SWITCH | 15A | R7 | FUEL PUMP RELAY | 12V 20A |
| F15 | ECU-IG | 5A | R8 | FAN RELAY | 12V 20A |
| F16 | ON-METER/BOX/ VEHICLE SPEED | 10A | R10 | HIGH LIGHT RELAY | 12V 20A |
| F17 | EPS-IG | 5A | R11 | LOW LIGHT RELAY | 12V 20A |
| F18 | POSITION LIGHT | 7.5A | R12 | BRAKE LAMP T RELAY | 12V 20A |
| F20 | MAIN FUSE | 50A | R14 | 2WD 4WD RELAY | 12V 20A |
| F23 | ECU FUSE | 15A | R15 | 4WD LOCK RELAY | 12V 20A |
| F24 | EPS FUSE | 40A | | | |
| F31 | FAN | 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.**

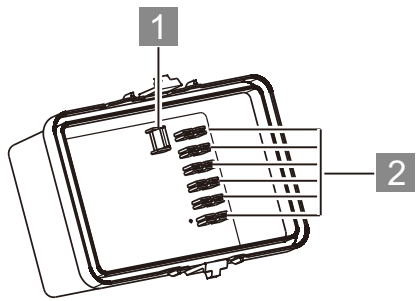
## FUSE BOX REPLACEMENT

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.

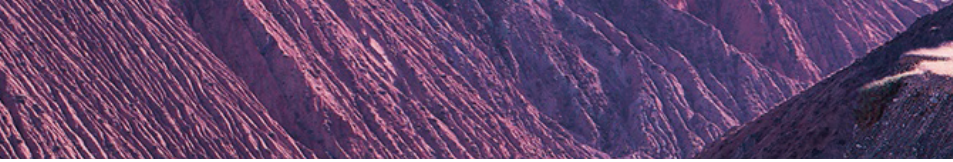
# VEHICLE STORAGE

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

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THE FRAME NAMEPLATE ..... 148

# TECHNICAL PARAMETERS OF VEHICLE

| Item | Model | |
|---|---|---|
| | SGW500F-A7 | SGW500F-A8 |
| Length | 2075mm | 2215mm |
| Width | 1180mm | 1180mm |
| Height | 1230mm | 1350mm |
| Wheel base | 1300mm | 1450mm |
| Ground clearance | 250mm | |
| Turning diameter | 5900 mm | 6400mm |
| Curb weight | 370kg | 385kg |
| Front rack load | 40kg(88 lb) | |
| Rear rack load | 60kg(132 lb) | |
| Recommended Traction quality Pulled load quality） | 150kg(331 lb) | |
| Engine model | 193MR | |
| Engine type | Four stroke, single cylinder, water cooled, vertical, double overhead camshaft | |
| Cylinder diameter × stroke | 93 × 73.6 mm | |
| Engine displacement | 499cm$^3$ | |
| Compression ratio | (10.7±0.5): 1 | |
| Idle speed | 1350±100 r/min | |
| Maximum power | 26kW / 7250 r/min | |
| Maximum torque | 37.5 N·m / 5750 r/min | |

| Item | Model | |
|---|---|---|
| | SGW500F-A7 | SGW500F-A8 |
| Starting way | Electric start | |
| Lubrication way | Pressure spray | |
| Engine oil type | SAE 10W/40 SJ or higher | |
| Engine oil capacity | 2.2 L | |
| Front axle gear oil type | SAE 80W-90 GL-5 | |
| Empty Volume | 170 ml | |
| Rear axle gear oil model | SAE 80W-90 GL-5 | |
| Empty Volume | 260 ml | |
| Air filter | Paper filter element | |
| Fuel tank type | Barrier type plastic fuel tank | |
| Fuel tank capacity | 18 L | |
| Fuel type | Petrol or E5 | |
| Throttle type | JZD42B-1 | |
| Spark plug type | CPR7EA / B7RTC | |
| Spark plug clearance | 0.6~0.8mm | |
| Variable speed way | CVT | |
| Shift sequence | L-H-N-R-P | |
| Variable speed ratio | 0.6-2.967 | |
| L Transmission ratio | 11.8-58.3 | |
| H Transmission ratio | 6.8-33.6 | |
| Reverse gear ratio | 9.7-48 | |

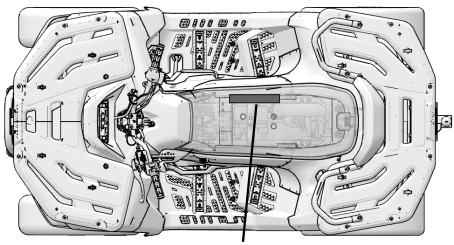
| Item | Model | |
|---|---|---|
| | SGW500F-A7 | SGW500F-A8 |
| Tire type | Vacuum tire | |
| Front tire specification | 24x8.00-12/25x8.00-12 | |
| Rear tire specification | 24x10.00-12/25x10.00-12 | |
| Front tire pressure | 7.0psi (48.3kPa) | |
| Rear tire pressure | 7.0psi (48.3kPa) | |
| Brake type | front double disc brake,rear single disc brake (Brake shaft)/front double disc brake、rear double brake | |
| Foot brake mode | Right foot operation | |
| Front braking mode | Right operation | |
| Brake fluid type | DOT4 | |
| Front suspension | Front double A rocker arm | |
| Rear suspension | Rear double A rocker arm | |
| Front shock absorber | Spring + oil resistance<br>Spring + air resistance | |
| Rear shock absorber | Spring + oil resistance<br>Spring + air resistance | |
| Front wheel travel | 200mm | |
| Rear wheel travel | 200mm | |
| Ignition mode | electricity (ECU) | |
| Charge | 450W / 5500 rpm | |
| Battery | 12V 32Ah | |

| Item | Model | |
|---|---|---|
| | SGW500F-A7 | SGW500F-A8 |
| headlamp | Low light Power 9.5(W) | |
| | High beam power 17(W) 32000cd | |
| | Day Light 20(W) | |
| | Turn signal 10 (W) | |
| | Front Position Light 2.7(W) | |
| Rear tail light - position light | 2.1 (W)×1 | |
| Rear taillights - Brake lights | 4.7 (W)×1 | |
| Turn signal lamp | 2.4 (W)×2 | |

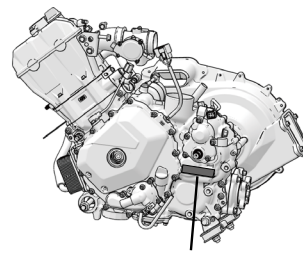
# VEHICLE IDENTIFICATION NUMBER

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



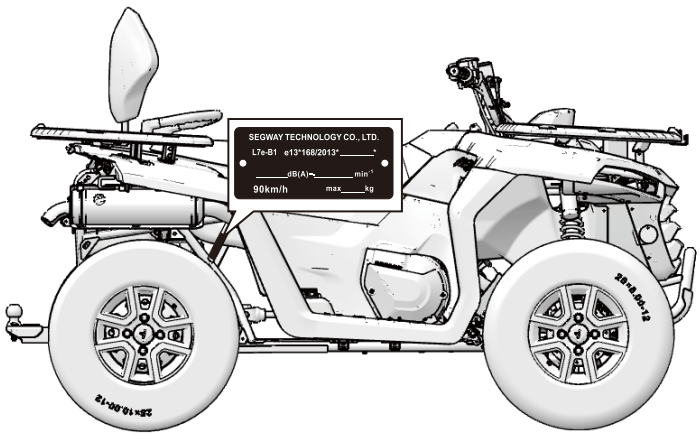
Engine serial number

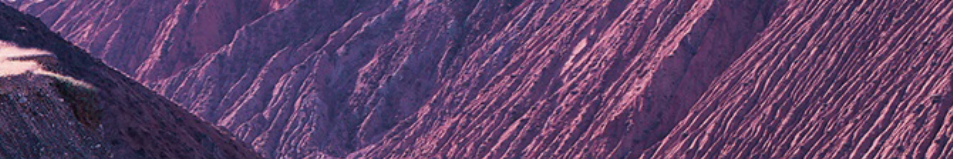
| Frame identification code | |
|---|---|

| 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


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DIAGNOSTIC DISPLAYS CODE DEFINITIONS ..... 157

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 65. |
| 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<br>Clean engine exterior<br>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

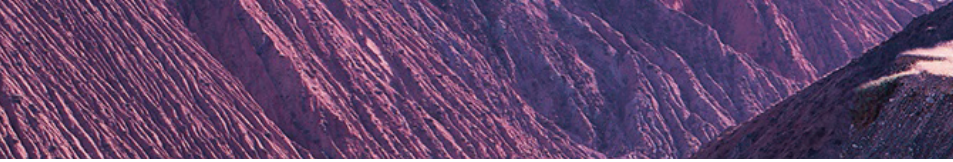
| Possible Cause | Solution |
|---|---|
| Out of fuel | Refuel |
| Kinked or plugged fuel vent line | Inspect and replace |
| Water present in fuel | Replace with new fuel |
| Overuse of choke | Inspect, clean and/or replace spark plugs |
| Fouled or defective spark plugs | Inspect, clean and/or replace 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** |
| P0262 | Cylinder 1 Injector Circuit High |
| P0261 | Cylinder 1 Injector Circuit Low |
| P0201 | Injector Circuit/Open – Cylinder 1 |
| P0629 | Fuel Pump "A" Control Circuit High |
| P0628 | Fuel Pump "A" Control Circuit Low |
| P0627 | Fuel Pump "A" Control Circuit /Open |
| P0511 | Stepper motor open circuit or unreasonable |
| P0509 | Stepper motor short circuit to 12V power supply |
| P0508 | Stepper motor short circuit to ground |
| P2300 | Ignition coil short circuit to ground fault |
| P0108 | Manifold Absolute Pressure/ Barometric Pressure Circuit High |
| P0107 | Manifold Absolute Pressure/ Barometric Pressure Circuit Low |
| P0322 | Ign./Distributor Eng.Speed Inp.Circ. No Signal |
| P0113 | Intake Air Temperature Sensor 1 Circuit Low |
| P0112 | Intake Air Temperature Sensor 1 Circuit High |
| P0118 | Engine Coolant Temperature Sensor 1 Circuit Low |
| P0117 | Engine Coolant Temperature Sensor 1 Circuit High |
| P0563 | System Voltage High |
| P0562 | System Voltage Low |
| P0560 | System Voltage Not plausible |
| P0501 | Vehicle Speed Sensor "A" Range/Performance |
| P0123 | Throttle position sensor High Voltage |

| Failure Code | Failure Description |
|---|---|
| P0122 | Throttle position sensor Low Voltage |
| P0032 | O2 Sensor Heater Control Circuit High Bank 1 Sensor 1 |
| P0031 | O2 Sensor Heater Control Circuit Low Bank 1 Sensor 1 |
| P0030 | O2 Sensor Heater Control Circuit Bank 1 Sensor 1 |
| P0132 | O2 Sensor Circuit High Voltage Bank 1 Sensor 1 |
| P0131 | O2 Sensor Circuit Low Voltage Bank 1 Sensor 1 |
| P0130 | O2 Sensor Circuit No Activity Detected Bank 1 Sensor 1 |
| P0134 | O2 Sensor Circuit Bank 1 Sensor 1 |
| P0692 | Fan 1 Control Circuit High |
| P0691 | Fan 1 Control Circuit Low |
| P0480 | Fan 1 Control Circuit |
| P0459 | Evaporative Emission System Purge Control Valve Circuit High |
| P0458 | Evaporative Emission System Purge Control Valve Circuit Low |
| P0444 | Evaporative Emission System Purge Control Valve Circuit Open |
| P0301 | Misfire detected |
| **EPS** | |
| E0001 | No midpoint of torque is written |
| E0002 | No end point of rotor angle is written |
| E0003 | Memory read write failure |
| E0004 | The main torque sensor is disconnected |
| E0005 | Abnormal output of main torque sensor |
| E0006 | The secondary torque sensor is disconnected |
| E0007 | Abnormal output of secondary torque sensor |
| E0008 | The difference between main and secondary torques is too large |

| Failure Code | Failure Description |
|---|---|
| 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 |
| T0006 | Body CAN failure |



# EMISSION CONTROL SYSTEM

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EXHAUST EMISSION CONTROL SYSTEM.....161
CRANKCASE EMISSION CONTROL SYSTEM .....161
NOISE CONTROL SYSTEM.....161

# 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.

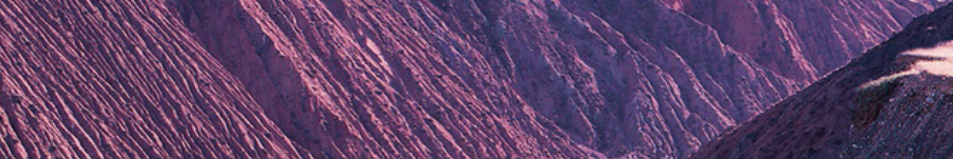
The exhaust emission control system is separate from the crankcase emission control system.

# 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.



# WARRANTY

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WARRANTY COVERAGE ..... 163
DETAILS OF THE WARRANTY POLICY ..... 163
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SUGGESTIONS FOR VEHICLE MAINTENANCE AND REPAIR ..... 166
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# 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 |
|---|---|---|---|
| | | | |
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