SEGWAY

SEGWAY TECHNOLOGY CO., LTD.

POWERSPORTS.SEGWAY.COM

Vision : 20260608 V1.1
U06-L200003-LEN-01





OWNER'S MANUAL

SGW570F-U3
SGW570F-U4

Read this manual carefully,it contains important safety information
Minimum recommended operator age:16

WELCOME

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

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

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

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

⚠ 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 for driving and, abide by the local traffic regulations.

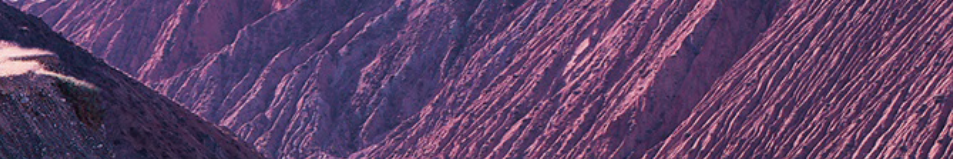
This manual describes all equipment including optional components. Therefore, some of the optional equipment described in the manual may be not installed on your vehicle.

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

Visit **http://powersports.segway.com** for a list of dealers and 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 adhere the warnings and safety precautions contained in this manual will result in severe injury or death. Your SEGWAY vehicle is not toy and it can be hazardous to operate. This vehicle handles differently than cars, trucks or on-road vehicles. A collision or rollover can occur quickly, even during routine maneuvers like turning, driving on hills or over obstacles if you fail to take proper precautions.

- Read the 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 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 has completed a safety training, reviewed the owner's manual and all safety labels.

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.

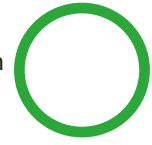
NOTICE

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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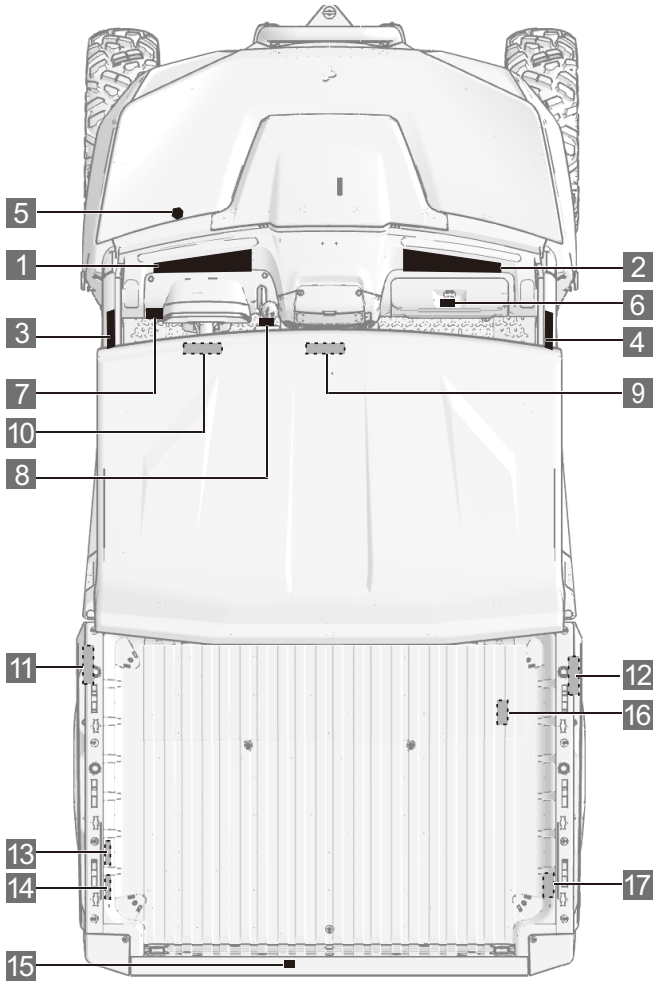
SAFETY INTRODUCTION

SEGWAY

Failure to follow the warnings and safety precautions in this manual may result in serious injury or death. It can be dangerous to operate an on-road vehicle 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.


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1


WARNING
Rollovers have caused severe injuries and death, even on flat, open areas.
Be Sure Riders Pay Attention and Plan Ahead
If you think or feel the vehicle may tip or roll, reduce your risk of injury. •Keep a firm grip on the steering wheel or handholds and brace yourself. •Do not put any part of your body outside of the vehicle for any reason.
Require Proper Use of Your Vehicle
Do your part to prevent injuries. •Do not allow careless or reckless driving. •Make sure operators are 16 or older with a valid driver's license. •Do not let people drive or ride after using alcohol or drugs. •On public roads-a collision can occur with another vehicle.•Do not exceed seating capacity: 2 passengers.
DRIVER UNDER 16
Improper Use of this Vehicle Can Cause Severe Injury or Death
Be Prepared
•Fasten seat belts. •Wear an approved helmet and protective gear. •Each rider must be able to sit with back against seat, feet flat on the floor, and hands on steering wheel or handholds. Stay completely inside the vehicle.
Read and understand all safety labels, locate and read owner's manual.
Drive Responsibly
Avoid loss of control and rollovers: Avoid abrupt maneuvers, sideways sliding, skidding or fishtailing,and never do donuts.•Avoid hard acceleration when turning, even from a stop. • Slow down before entering a turn. • Plan for hills, roughterrain, ruts, and other changes in traction and terrain. Avoid paved surfaces. •Avoid side hilling (riding across slopes)
U09L110001-EN-02

2


WARNING
PASSENGER
Improper Use of this Vehicle Can Cause Severe Injury or Death
Be Prepared
• Fasten seat belt and make sure net or door is securely latched in place.
• Wear an approved helmet and protective gear.
You must be able to sit with back against seat, feet flat on the floor, and hands on handholds. Stay completely inside the vehicle.
Be Sure Riders Pay Attention and Plan Ahead
If you think or feel the vehicle may tip or roll, reduce your risk of injury:
• Keep a firm grip on handholds and brace yourself.
• Do not put any part of your body outside of the vehicle for any reason.
PASSENGER QUALIFICATIONS AND RESPONSIBILITIES
• Do not ride after using drugs or alcohol.
• Ask the operator to slow down or stop if you feel uncomfortable when riding.
U09L10002001

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WARNING
Be prepared in case of rollover
If the vehicle rolls over, any part of your body (such as arms, legs, or head) outside of the vehicle can be crushed by the cage, vehicle frame, or other parts of the vehicle. Fasten seat belt and make sure net and/or door is securely latched in place to help you avoid sticking out arms or legs.
NEVER Hold the cab frame while riding.
NEVER Try to stop a rollover using your arm or leg.
U09-L100029-000-00

4


WARNING
Be prepared in case of rollover
If the vehicle rolls over, any part of your body (such as arms, legs, or head) outside of the vehicle can be crushed by the cage, vehicle frame, or other parts of the vehicle. Fasten seat belt and make sure net and/or door is securely latched in place to help you avoid sticking out arms or legs.
NEVER Hold the cab frame while riding.
NEVER Try to stop a rollover using your arm or leg.
U09-L100030-000-00

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CAUTION
Storage compartment
Maximum load: 11 lbs (5 kg)
U09L10004001

7


WARNING
Turning the off road vehicle in 4WD-LOCK ("DIFF.LOCK") takes more effort. Operate at a slow speed and allow extra time and distance for maneuvers to avoid loss of control.
U09L10003001

8


WARNING
Parking:
Pull the parking brake outwards forcefully to park the vehicle.
Parking release:
Hold the parking brake handle and press the parking button, turn it clockwise and push the parking handle inward to the end, the parking brake is released, and the vehicle can be pushed at this time
U09L10016001

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EMERGENCY EXIT

U09L10002004

10

This roll over protective structure meets the performance requirements of (EU) No 1322/2014 Annex VIII .

U01L11012001

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⚠ WARNING



- Keep hands, body, other persons away when closing bed.
- Do not operate the vehicle with bed up.

U09L10013001

12

⚠ WARNING



- Keep hands, body, other persons away when closing bed.
- Do not operate the vehicle with bed up.

U09L10014001

13

⚠ WARNING



- Never carry passengers in cargo box.
- Passengers can be thrown off. This can cause serious injury or death.



NEVER place gasoline, flammable or dangerous liquids container on carrier. This can lead to a fire or an explosion.

- Never exceed payload limits of vehicle.
- Reduce speed, turn gradually, and allow greater distance for braking when carrying cargo.
- Overloading or carrying tall, off-center, or unsecured loads will increase your risk of losing control. Loads should be centered and carried as low as possible in box.
- For stability on rough or hilly terrain, reduce speed and cargo.

U06-L110003-LEN-00

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⚠ 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: 10.0 PSI (70 KPA)
  REAR : 16.0 PSI (110 KPA)

MAXIMUM CARGO BOX LOAD



< 272 kg (600 lbs.)

MAXIMUM WEIGHT CAPACITY
INCLUDES WEIGHT OF OPERATOR
PASSENGERS CARGO AND ACCESSORIES



< 497kg (1096 lbs.)

Read Operation and Maintenance Manual for more detailed loading information.

U06-L110002-LEN-00

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⚠ WARNING

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

- Maximum unbraked towing mass **550 kg (1212 lb)**
- Maximum unbraked tongue mass **100 kg (220 lb)**
- Maximum inertiabraked towing mass **860 kg (1896 lb)**
- Maximum inertiabraked tongue mass **100 kg (220 lb)**

U06-L100017-000-01

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⚠ 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.

U06-L100015-000-00

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⚠ WARNING

Never carry passengers in cargo box or on tailgate. Max weight on tailgate during loading is **90kg (200lb)**.



MAX
90kg/200lb

U06-L110006-LEN-00

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.
- Wear eye protection (goggle 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 or other 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 cautious on these kinds of terrain.
- Always follow the inspection and maintenance procedures as well as the schedules described in this manual.
- Never operate on hills that are slippery or ones where you will not be able to see safely 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, arms, feet, and legs inside the vehicle at all times during operation. Keep your feet on the

floorboard. Never hold onto the enclosure, otherwise, you could be injured.

- Always keep both hands on the steering wheel when driving.
- Always go slowly and be careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when driving the vehicle.
- Never wrap your thumbs and fingers around the steering wheel. This is particularly important when driving in rough terrain. The front wheels will move right and left as they respond to the terrain, and this movement will be felt in the steering wheel. A sudden jolt could wrench the steering wheel around, and your thumbs or fingers could be injured if they are in the way of the steering wheel spokes.
- Never turn at excessive speed. Practice turning at slow speeds before attempting to turn at faster speeds. Do not attempt turns on steep inclines.
- Always follow proper procedures for going uphill. If you lose control and cannot continue up a hill, back down the hill with the engine in reverse gear.
- Never operate the vehicle on hills that are too steep. Go straight up and down hills where possible.
- Never operate the vehicle in fast flowing water or water deeper than the floorboards on this model. Remember that wet brakes may have reduced 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 are 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 in the cargo bed.
- 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 cargo load capacity. Cargo should be as far forward in the bed as possible, and distributed evenly from side to side. Be sure cargo is secured so that it cannot move around during operation. Reduce your speed and follow the instructions in this manual for carrying cargo or pulling a trailer. Allow a greater distance for braking.
- Brake discs can be over heated after continuous braking. Allow brake disc to cool before servicing.
- Avoid the risks related to contact with hot surfaces, including residual risks such as filling oil or coolant in 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 vehicle improperly increases the risk of accidents. The driver must know how to drive the vehicle correctly in different situations and on different terrain.

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. Otherwise, the vehicle will not be allowed to drive.



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. Not to drive the vehicle without proper driving training. Training courses are required. Please ensure that each driver has read this manual and all product labels and has completed a safety training course.



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

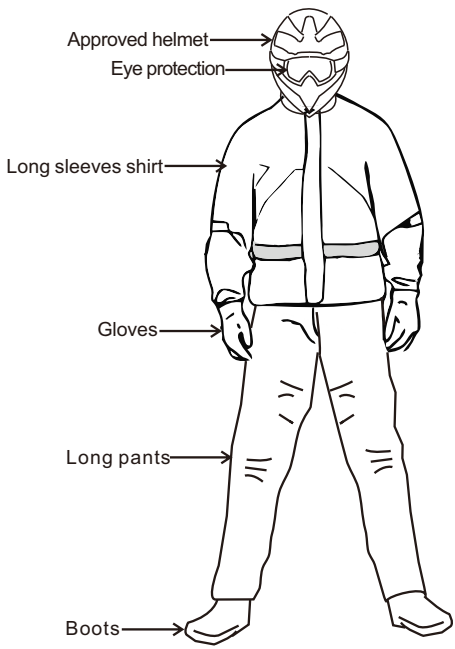
Sturdy on-road motorcycle boots to help protect your feet, ankles, andlower legs.

On-road motorcycle gloves to help protect your hands.

It is recommended to wear riding pants with knee and hip pads,a riding jersey with padded elbows and, a chest/shoulder protector.

⚠ WARNING

Driving vehicle 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.



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.



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

Do not carry passengers unless you have operated the vehicle for at least two hours and have completed the new operator driving instructions outlined on page 66. Passengers must always sit in the passenger seat with the seat belt secured. Carrying more than one passenger in a two-seater vehicle affects the operator's ability to operate and operate control, increasing the risk of loss of control and accidents or rollovers.



CONTACT WITH 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 the room or in a well-ventilated place.



SEAT BELTS

Riding in this vehicle without wearing the seat belt may increase the risk of serious injury in the event of rollover, loss of control, other accidents, or sudden stop. Seat belts may reduce the severity of injury in these circumstances. The operator must wear the seat belt at all times.



LOADING ON THE VEHICLE

The weight of cargo and passengers affects the running and stability of the vehicle. For your own safety and the safety of others, think carefully about how to safely operate the vehicle when loaded with passengers and cargo. Follow the instructions in this manual for loading, tire pressure, gear selection and speed.

- The maximum weight capacity of the vehicle is listed in the instruction section of this manual and on the vehicle label. As more passenger weight is added, the cargo weight may need to be reduced accordingly. Do not exceed the vehicle's weight capacity.
- Recommended tire pressures are listed in the instruction section of this manual and on the vehicle label.

Always follow the following guidelines:

Under these conditions:	Do all of these steps:
Operator and/or cargo exceeding half of the maximum weight capacity	1. Slow down. 2. Verify tire pressure. 3. Use extra caution when operating
Operating in rough terrain	
Operating over obstacles	
Climbing	
Traction	

NO PASSENGERS IN THE CARGO BOX

Passengers in the cargo box may cause the vehicle fall over or collide, which may cause injury or more serious accidents. Never let passengers in the cargo box when operating the vehicle. Passengers must be seated in passenger seats with fixed seat belts.



OPERATING ON PAVEMENT

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

OPERATING ON PUBLIC ROADS

Operating this vehicle on public streets, highways or highway could result in a collision with another vehicle.

OPERATING AT EXCESSIVE SPEED

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

TURNING IMPROPERLY

Turning improperly could cause loss of traction, loss of control, accidents or rollover. Always follow proper procedures for turning as described in this owner's manual.

Avoid sharp turns. Never turn while applying heavy throttle. Never make abrupt steering maneuvers. Practice turning at slow speeds before attempting to turn at faster speed.

JUMPS AND STUNTS

Exhibition driving increases the risk of an accident or rollover. DO NOT do power slides，"donuts"， jumps or other driving stunts. Avoid exhibition driving.

IMPROPER HILL CLIMBING

Improper hill climbing could cause loss of control or rollover. Use extra caution when operating on hills. Always follow proper procedures for hill climbing as described in this owner's manual.

DESCENDING HILLS IMPROPERLY

Improper 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.

CROSSING HILLSIDES

Driving on a sidehill is not recommended. Improper operation could cause the loss of control or rollover. Avoid crossing the side of any hill unless absolutely necessary. If crossing a hillside is unavoidable, always follow proper procedures as described in this owner's manual.

FUEL SAFETY

Gasoline is very flammable under certain conditions

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



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 vehicle with mobile APP. This is an optional system. In order to make you quickly familiar with and use the system, please read the user's manual carefully, understand the relevant operation and use information.

NOTICE

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

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

After the successful installation of the APP, the vehicle will be registered and activated. Firstly, 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. 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 148) or on the vehicle nameplate (see Page 149).

1. Click the "**CONFIRM**" button to complete the vehicle binding operation.
2. Click "**START**" to start the vehicle.

VEHICLE UNLOCKED

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 covered by the network, you can use the remote unlock function in the APP to unlock 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.

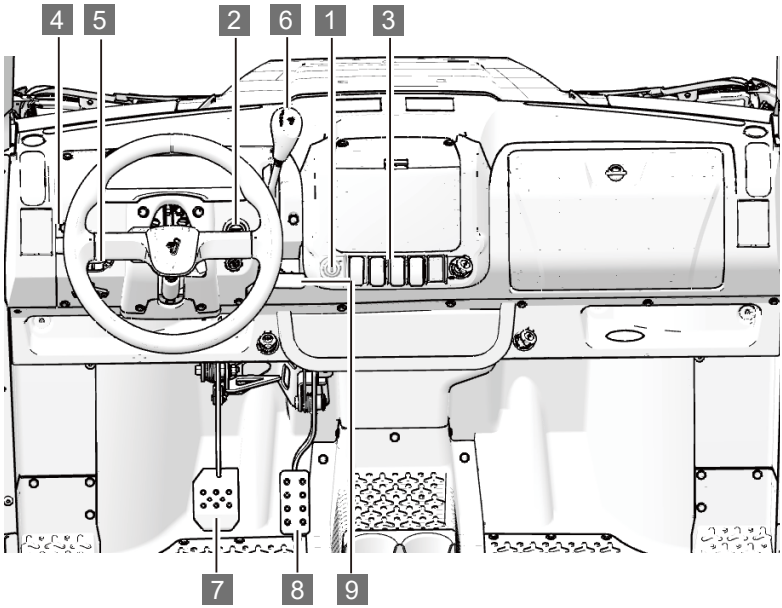
Mechanical key unlock is the optimal unlock method for vehicles. If you do not want to use the sensor unlock function, the sensor unlock setting can be turned off in the APP.

APP FUNCTION

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

Main features: driving control analysis, vehicle data analysis.

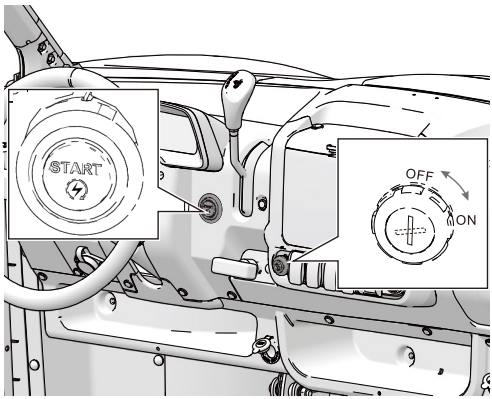
CONTROL COMPONENTS



1 Ignition Switch	2 Start switch	3 switch
4 light switch	5 2/4WD switch	6 Gear Shifter/Selector
7 Brake pedal	8 Accelerator	9 Parking handle

IGNITION LOCK/START BUTTON

MODE 1 :



Ignition Lock

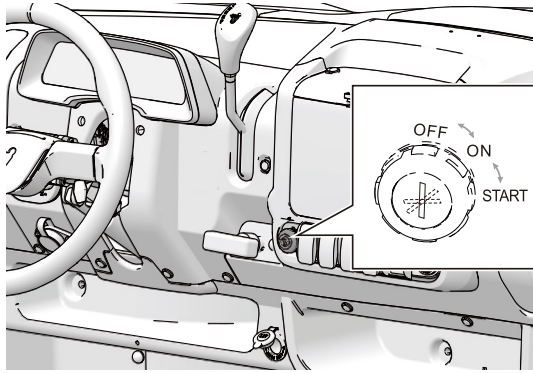
Turn the key to the position "ON": the vehicle is energized and the electrical components of the vehicle can be used.

Turn the key to the position “OFF”: the whole vehicle circuit is disconnected and the engine stops. When the switch is in the off position, the key can be taken out of the switch.

Start Switch

Turn the key to the ignition switch "ON" position, press start switch“ ” for 1.5 to 2 seconds (Do not exceed 4 seconds), the engine starts.

MODE 2 :

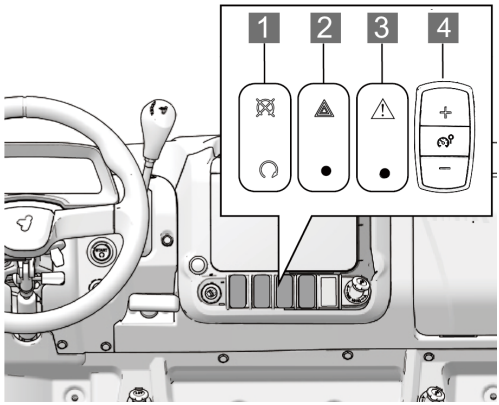


Turn the key to the position "ON": the vehicle is energized and the electrical components of the vehicle can be used.

Turn the key to the "Start" position without loosening. Wait for 1.5 or 2 seconds before the engine starts(Do not exceed 4 seconds), and the key will automatically return to the "ON" position.

Turn the key to the position “OFF”: the whole vehicle circuit is disconnected and the engine stops. When the switch is in the off position, the key can be taken out of the switch.

SWITCHS



1 Emergency shutdown Switch **2 Emergency Switch**
3 Override Switch **4 Speed switch(Only applicable to abs models)**

1 Emergency shutdown Switch

"⊠": Engine Stop

"↻": Engine Start

Vehicle launch

1. Depress the brake pedal when the gear is in "P" gear or "N" gear.
2. Turn the ignition key into " ON " position.
3. Press the Engine On Switch "↻"
4. Press the "start" button for 1.5 seconds to 2 seconds（no more than 4 seconds），the engine start

The vehicle stop

1. Put the shift lever in the "P" position and turn on the parking brake
2. Press the flameout switch "⊠" , and the engine will stop.

2 Emergency Switch

Use this switch when the vehicle is in an emergency. Press the switch to the "⚠" position, the emergency light turns on, and the vehicle position light flashes, and press the switch to the "●" position to turn off the emergency light.

" ⚠ ": Emergency light on.

" ● ": Emergency light off.

Use this switch when the vehicle is in an emergency

- Temporary parking of vehicles
- The vehicle is malfunctioning.
- The vehicle encounters other emergencies.

3 Override Switch

" ⚠ ": Lift the max speed limit of the vehicle in 4WD-LOCK MODE(18.6MPH（30KM/h）)

4 Speed switch(Only applicable to abs models)

"🏎": Speed limit switch

" + ": Speed increase button

" - ": Speed decrease button

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

Activate speed limiter mode

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

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

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

The units is km/h:

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

2、Driving state

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

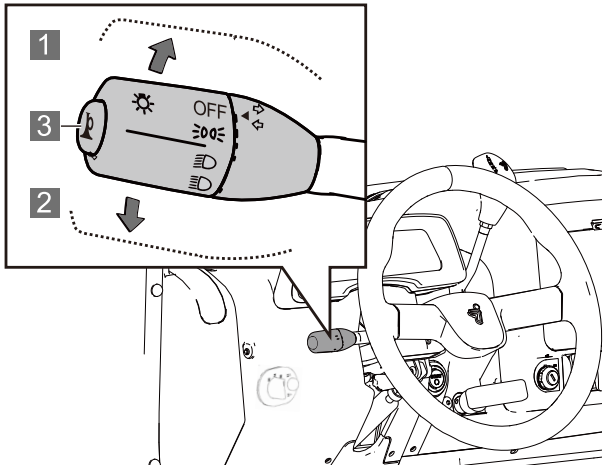
NOTICE

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

Deactivate speed limiter mode

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

COMBINATION SWITCH

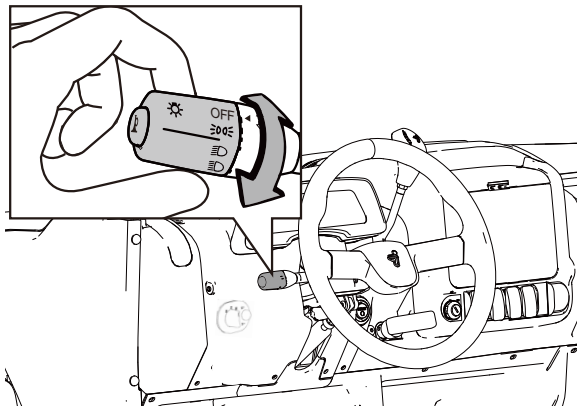


1 Push the control lever up to turn on the right turn signal light, the right turn indicator flashes on the meter

2 Push the control lever down to turn on the left turn signal light, and the left turn indicator on the instrument flashes.

3 Horn switch

HEADLIGHT SWITCH



As shown in the picture above, turn the end of the lever to turn on the lights

“”：Front position lights, tail lights, license plate lights and dashboard lights are turned on.

“”：Turn the switch to this position, the headlights are placed on the low beam.

“”：Turn the switch to this position, the front light is placed on the high beam, and the high beam logo on the instrument lights up.

“OFF”：Turn off the headlights, daytime runing lights on.

“ ”：Horn switch

TOGGLE SWITCH FOR TWO-WHEEL DRIVE OR FOUR-WHEEL DRIVE



NOTICE

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

2 x 4 model

When the knob is turned to" " , the two-wheel drive symbol is displayed on the instrument " ". At this time, in the two-fourth mode, the whole vehicle is only rear-wheel drive, and there is no power output to the front wheels.

4 x 4 model

When the knob is turned to " ", the four-wheel drive symbol is displayed on the instrument " ", and the vehicle is in 4×4 drive mode, with power output to the front wheels and power output to the rear wheels. This mode is suitable for adverse road conditions such as muddy and mountainous areas.

4×4 Front axle lock mode

When the knob is turned to "  ", the 4WD lock symbol is displayed on the instrument. At this time"  ", the vehicle is in the 4WD lock state, with power output to the front wheels and the rear wheels, and the left and right front wheels output the same speed and power. In the 4WD lock state, the vehicle will be in the speed limit state, and the speed will not exceed 30km/h. This mode is suitable for vehicle escape (the speed limit can be released by long pressing the override switch“ ⚠ ”) only.

Rear axle differential mode (if equipped)

“”: Button pops up: rear axle differential mode off.

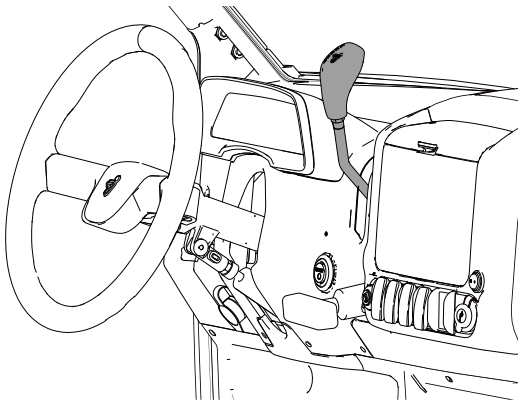
“”: Button pressed: Rear axle differential mode on.

⚠ WARNING

In the four-wheel drive lock mode, the four wheels rotate at the same speed, making it difficult for the vehicle to steer. Use this mode with caution.

GEAR SHIFT SELECTOR

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**

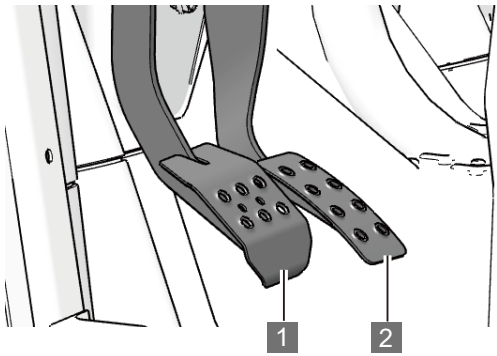
⚠ CAUTION

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

The transmission will be damaged when you change shift gear if the engine is running over the idle speed or in the driving process.

Put shift gear in P position and lock parking brake when the driver is out of the vehicle.

BRAKE PEDAL AND ACCELERATOR PEDAL



1 **Brake pedal** 2 **Accelerator pedal**

Brake pedal

Press the brake pedal to slow down or stop the vehicle. Use the brakes when starting the engine.

To slow down or stop the vehicle, press the brake pedal with your right foot.

The brake pedal is spring loaded and should return to the rest position when not pressed.

Accelerator pedal

Push the accelerator pedal downward to increase speed.

To increase or maintain speed, press the accelerator pedal with your right foot.

To decrease speed, release the accelerator pedal.

The accelerator pedal is spring loaded and should return to the rest position (idle) when not pressed.

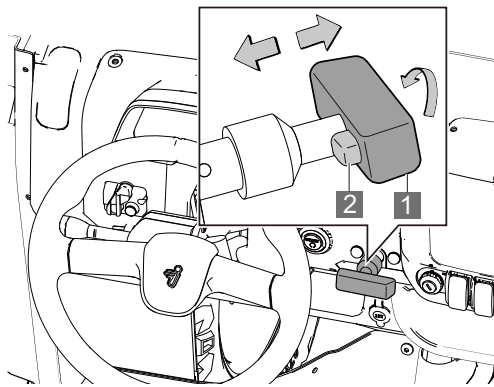
When released, spring pressure returns the pedal to the rest position. Always check that the accelerator pedal returns properly before starting the engine.

⚠ CAUTION

If the accelerator and brake pedals are applied simultaneously, engine power may be limited.

PARKING BRAKE

Whenever a person leaves the vehicle, the parking brake must be turned on to put it in the parking system working status



1 **Parking handle** 2 **Parking button**

Parking brake on:

When parking, first park the car on a suitable road surface, step on the brake pedal to make the car stationary, then hold the T-shaped parking handle with your hand and pull it up hard. You will hear a "clicking" sound until your foot releases the brake

pedal and the whole car is still in a reliable stationary state, that is, the parking is on.

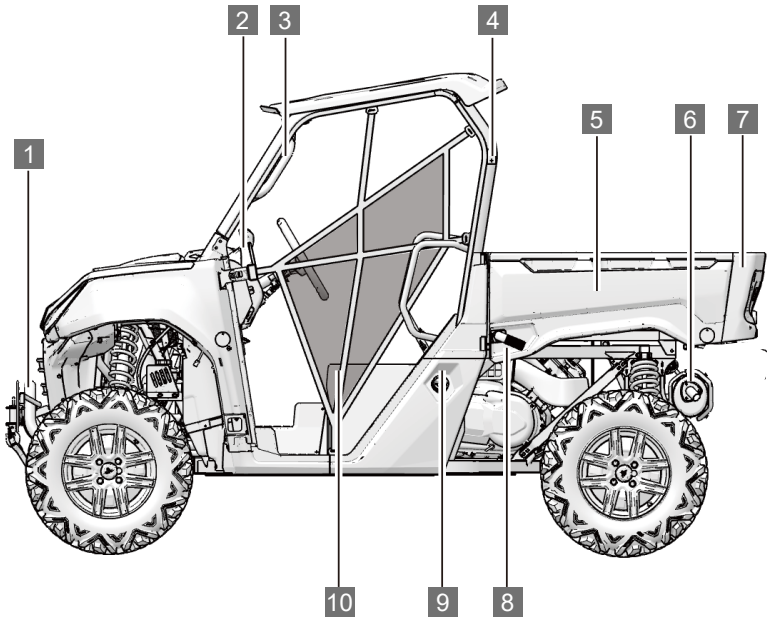
Parking brake release:

Press the lock button with your index finger, rotate the T-shaped handle 90 degrees clockwise, and push the parking handle down to the bottom until it returns to the initial position, which means the parking brake is released.

⚠ WARNING

When the driver leaves the vehicle, the parking brake of the vehicle must be turned on .

EQUIPMENT PARTS



1 Front bumper
2 instrument
3 Passenger handrails
4 ROPS
5 Cargo Box
6 Muffler
7 Cargo box rear door
8 Cargo box flip handle
9 Gas port
10 Protective net/door

INSTRUMENT COMPONENTS

The instrument provides the operator with information on vehicle operating parameters. The driver should understand the meaning of the various indicator lights, warning lights and displayed information on the instrument so as to understand the vehicle status in a timely manner.

NOTICE

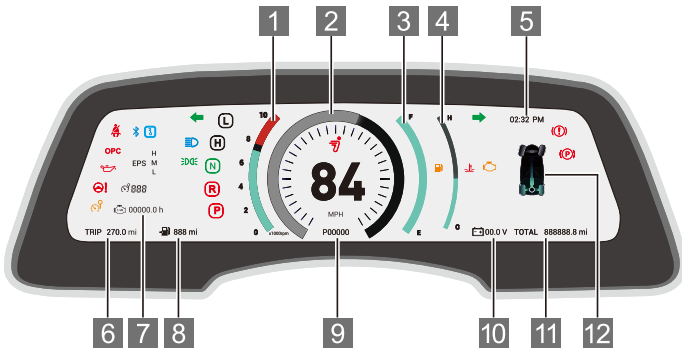
Using a high-pressure cleaner may damage the instrument cluster. Do not use alcohol or corrosive cleaning agents to clean the instrument. Corrosive liquids will corrode the instrument surface and cause damage to the instrument.

INSTRUMENT INDICATOR LIGHT/WARNING LIGHT

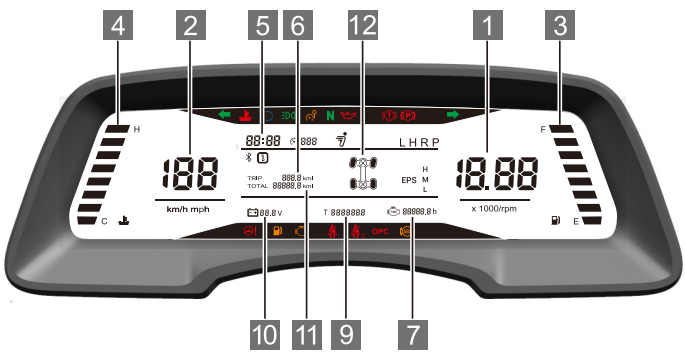
The vehicle may be equipped with different instruments with slightly different display status or display area, subject to the actual vehicle instrument.

When the ignition lock switch is placed in "ON" mode, the instrument are turned on and all warning lights on the instrument will be illuminated briefly.

TYPE I:



TYPE II:



1 Engine tachometer

Shows the real-time vehicle speed.

2 Speedometer

Shows the vehicle's real-time speed.

3 Fuel gauge

E: Low fuel **F:** Full fuel

Display the fuel level in the fuel tank. When the first grid is displayed, the fuel alarm light will light up. Please refuel immediately.

4 Engine water temperature gauge

Shows the engine temperature.

C: Low water temperature **H:** High water temperature

5 Time Display

After binding the vehicle to the "Segway Powersports" APP, the instrument display time will automatically synchronize to the local time.

6 Subtotal mileage

Subtotal mileage.

7 Engine Running Time

Display engine running time.

8 Dynamic Residual Mileage

Displays the mileage that can be traveled with the current remaining fuel amount.

9 Fault Code Display

When the vehicle has a partial fault, this area displays the fault code and the specific description of the fault code(See page 157).

10 Battery Voltage

Shows the current voltage of the vehicle battery.

11 Total Mileage

Shows the total mileage of the vehicle.

12 Four-Wheel Drive Full DifferentialLock

 2 x 4 patterns  4 x 4 patterns  Front axle lock mode

 2 x 4 patterns(With differential)  4 x 4 patterns(With differential)

 4×4 locking mode(With differential)

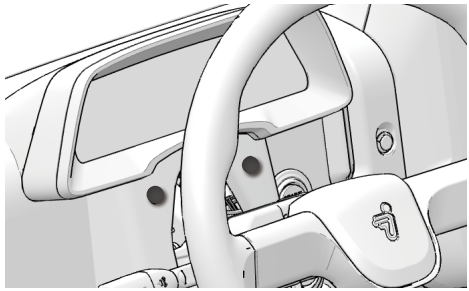
Indicator light/warning indication

light	Instructions	status
	Seat belt indicator light	This light reminds the operator to ensure all drivers are wearing their seat belts before working. The driver's seat belt is equipped with a seat belt interlock. If the seat belt is not fastened, the vehicle speed is limited to 15 mph (24 km/h).
	Oil Pressure	This light comes on when the oil pressure is low.
	EPS System	Indicates a failure in EPS system (optional equipment, if equipped)
OPC	Leaving seat alarm (if equipped)	When the vehicle speed is "0", the light will light up if the vehicle leaves the seat and does not park. When OPC is on, the buzzer will sound at the same time.
N	Neutral gear display	This light comes on (green) when the shifter is in neutral
	Brake system warning light	• Low brake fluid level • Fault in the brake system

light	Instructions	status
	Parking indicator	This light comes on when the parking brake is applied
	Engine Failure light	When the fault indicator light is on, it means there is a fault in the following systems: Emission control system. Engine electronic control system.
	High coolant temperature warning light	The indicator light that displays the engine coolant temperature is too high. When this light is on and an alarm is triggered, the vehicle should be immediately stopped and the engine should be turned off. After cooling to normal temperature, continue driving.
	High and low beam indication	When the high beam is turned on, this light will light up. Under normal circumstances, the light is off.
	Position light	The front light, tail light, license plate light and instrument panel light are on.
	Left Turn (if equipped)	This light is lit when the left turn signal is turned on.
	Right turn (if equipped)	This light is lit when the right turn signal is turned on.
	Bluetooth	When the vehicle's Bluetooth is paired with the phone or when it is close to unlocking, this indicator lights up.
	Remote power on	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)
LHRP	Gear	**L** low gear **H** high gear **R** reverse gear **P** parking gear
EPS H M L	EPS mode	**M** -Normal mode, power normal **H** -Comfort mode, power light **L** -Motion mode, booster weight

light	Instructions	status
	"ABS"warning light(Only applicable to abs models)	Indicates a failure in the following system： • ABS • Brake assist system
	Speed limit setting icon (Only applicable to abs models)	In the speed limit mode, when the driving speed is greater than the set speed limit, the speed limit indicator (yellow) flashes and the buzzer alarms at the same time, and the alarm is lifted when the driving speed is ⩽100 km/h.
	Speed limit alarm Indicator (Only applicable to abs models)	The instrument displays the speed limit icon when the speed limit is on, but not when it is off

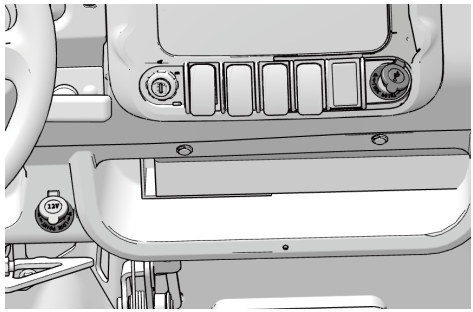
INSTRUMENT SETTING BUTTONS



Function	Left button	Right button	Display after action
Brightness adjustment	Short press		Adjust backlight brightness (default brightest)
Subtotal clear	Long press		Zero subtotal mileage
EPS gear switching		Short press	EPS model shift signal issued
Metric/Imperial Switching (this function is invalid when the vehicle is equipped with T-BOX)		Long press	Switching between metric to Imperial Units
Clock setting (this function is invalid when the vehicle is equipped with T-BOX)	Long press	Long press	Clock hour blinking
	Short press		Clock hour +1
		Long press	Clock hour continuous +1
	Short press		Clock minute blinking
		Short press	Clock minute +1
		Long press	Clock minute continuous +1

SPARE SOCKETS

This vehicle is equipped with two 12V outlets located in the middle panel of the vehicle.



This vehicle is equipped with a 12V power output holder and a USB power output holder.

The power socket can be used for 12V accessories with an operating current of less than 10A.

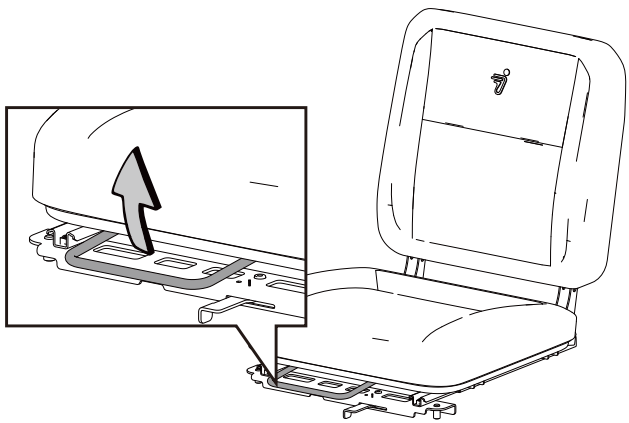
Output power: 120W

Conditions of use of the power socket: When the ignition lock is in " ON " mode.

DRIVER SEAT ADJUSTMENT

The driver's seat can be adjusted forward and backward. Before starting the vehicle, the driver can adjust the seat according to the comfort. The position of the seat should be adjusted so that the driver's back can fit with the seat back. It is appropriate that the driver's foot can step on the brake pedal and accelerator pedal.

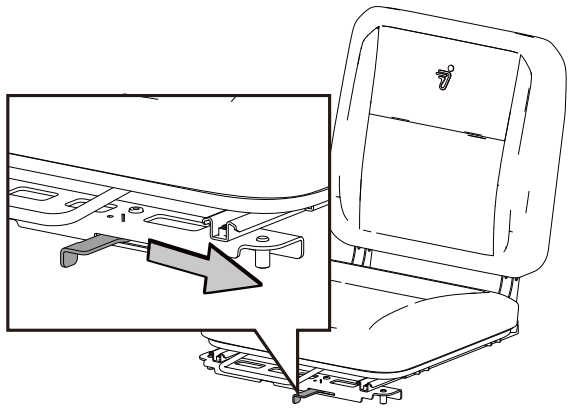
At the front end of the seat, there is a U-shaped adjustment rod. Use your hand to pull the U-shaped adjustment rod up and hold the seat to slide forward or backward, sliding the seat to the desired position. Release the U-shaped adjustment lever. The seat will be locked in a new position.



Seat adjusting handle

DRIVER'S SEAT DISASSEMBLY/INSTALLATION

Driver seat removal



seat lock pin

1. Move the seat locking pin outward
2. Gently pull the seat forward and remove the plug.
3. Move the seat away from the vehicle..

Driver seat installation

1. Insert the wiring harness plug under the seat.
2. Insert the two fixing pins behind the seat into the corresponding hooks.
3. Rotate the seat to lock it with the frame locking pin.

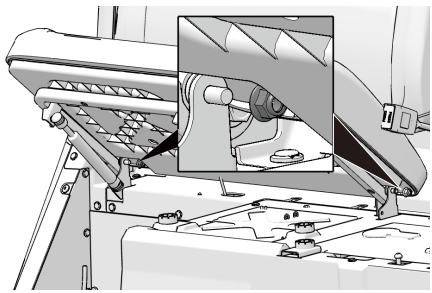
After installation, check if the seat is properly installed to ensure the safety of drivers and passengers.

PASSENGER SEAT CUSHION REMOVAL

After forcefully lifting the front end of the passenger's seat upwards, the seat can be lifted upwards. Hold the middle cover plate under the seat with both hands and move it upwards. Remove the middle cover plate under the seat, and the battery is located below.

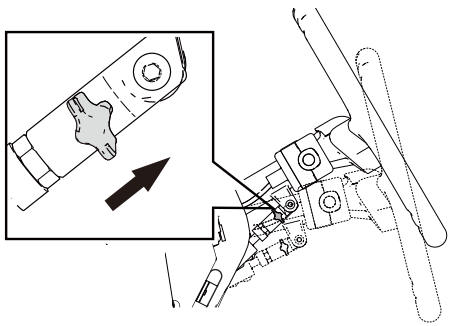
Disassembly

After lifting the passenger seat, remove the nuts M8 on the left and right sides behind the passenger seat to remove it.



STEERING WHEEL ADJUSTMENT

The steering wheel can be tilted up or down to meet the driver's driving preferences.



Steering wheel anlge adjustment:

After lifting the steering column adjustment lever towards the steering wheel, do not release it. Use the other hand to move the steering wheel up or down to the appropriate position, hold the steering wheel, and release the adjustment lever.

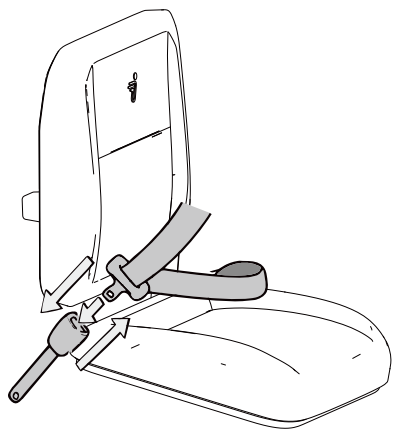
After adjusting the steering wheel angle, check if the steering wheel is secure.

⚠ WARNING

Do not adjust the steering wheel while driving.

Otherwise, it may cause the driver to control errors and cause an accident, which may result in serious injury or death.

SEAT BELT



After getting on the car, fasten the seat belt as soon as possible. The seat belt can effectively protect the personal safety of the driver and passengers. In the event of an accident, the seat belt

can reduce injuries to personnel on the vehicle. Please fasten the seat belt correctly and follow the following steps.

In the event of an accident, the seat belt can reduce the risk of injuries. Fasten seat belts correctly:

◆ Stretch the shoulder buckle so that it covers the entire shoulder, but do not touch the neck or slipping off the shoulder.

◆ Place the waist buckle as low as possible across the hip.

◆ Sit up straight with your back against the seat.

◆ Do not twist the seat belt.

Insert the lock tab into the buckle until you hear a click to fasten the seat belt.

Press the release button to release the seat belt.

⚠ CAUTION

Before each use, check all seat belts are working properly.

1. **Push the latch plate into the buckle until it clicks.**
2. **Pull out each seat belt and check for any damage, including cutting, grinding**

Damage, wear, or stiffness. If any damage is found, please contact a Segway Powersports dealer for replacement.

3. **Clean the dirt or debris on the seat belt, wipe the belt with mild soap and water. Never use bleach, dyes or household detergents.**

DOOR (SAFETY NET)

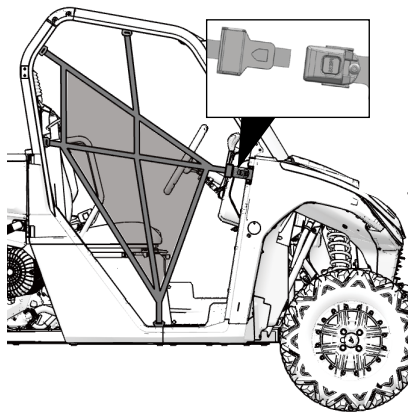
Whether this car is equipped with a driver's door or a safety net. Before driving, the driver's cab door or safety net must be closed and locked. Without closing or locking the driver's cab door, there is an increased risk of serious injury or death in the event of an accident or rollover.

Before each use, be sure to check the wear and damage of the car doors, door latches, safety nets, and lock buckles

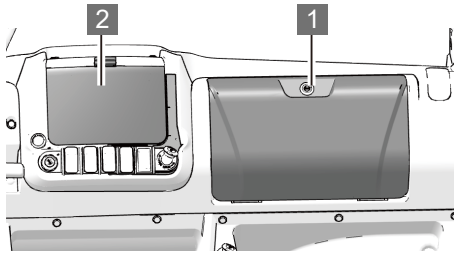
Timely replace any worn or damaged parts, new parts can be purchased from your authorized Segway dealer

Safety Net

Before each use, be sure to check the wear and damage of the car doors, door latches, safety nets, and lock buckles.



STORAGE BOX



1 Front storage box

Place the on board tools in this storage box.

2 Storage box or central display

⚠ WARNING

Keep the storage box closed if you do not use it. Or, you will be possible to be hurt by the goods kept in the storage box or while you open it in emergency brake or turning, resulting in accident.

FUEL TANK CAP

⚠ WARNING

Always gas up fuel type as per requirement.

Do not smoke while refueling or it may ignite the fuel and cause fire hazard.

Do not touch other people or stuff with static electricity or it may cause static electricity accumulation and ignite fuel.

Do not overfill the fuel when you gas up.

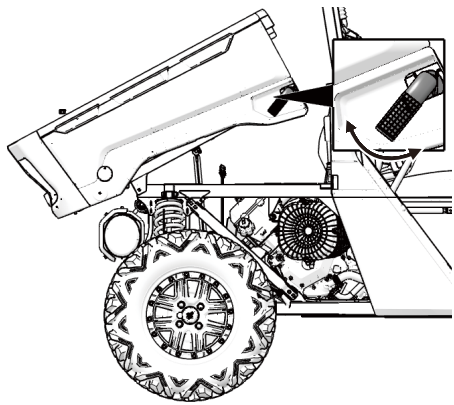
1. Turn the cap in the direction of "OPEN" (see direction sign in the cap).
2. Fill the vehicle with the specified type of fuel (do not overfill).
3. Turn the cap in the direction of "CLOSE".

CARGO BOX FLIPPING

The cargo box is reversible. Air filter, engine located below the cargo box.

The cargo box flipping handles are on both sides of the vehicle.

Grasp the flipping handle of the cargo box and turn it upwards. The lock hook of the cargo box pops open, and the cargo box begins to slowly tilt backwards and flip. It automatically stops when it reaches the flipping limit.



Cargo box restoration

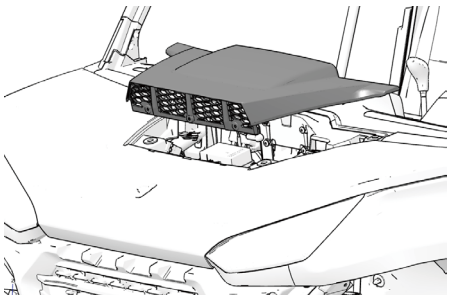
Press down the left or right door panel of the cargo box with force, and when you hear a click, the cargo box returns to its original position..

NOTICE
If you want to flip the cargo box to unload the goods, please open the back door of the cargo box first.

FRONT INSPECTION COVER

Hold the front maintenance cover with both hands and pull it up forcefully to open it.

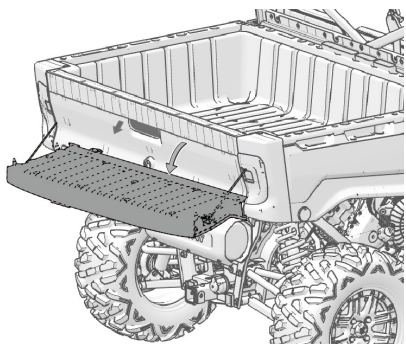
The fuse box and coolant filling port are located under the front maintenance cover.



CARGO BOX TAILGATE

Move the handle of the rear door panel upwards to open the rear door of the cargo box.

Lift the cargo door upwards and push it firmly. When you hear a click, the cargo door closes. After closing, check if the cargo door is locked tightly.



⚠ WARNING

Do not carry passengers on the cargo box and tailgate.

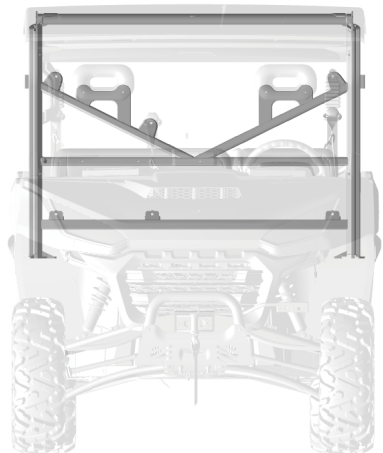
When loading goods, do not exceed the maximum load capacity of the cargo box.

ROLL-OVERPROTECTIVE STRUCTURES(ROPS)

This roll over protective structure meets the performance requirements of (EU) No 1322/2014 Annex VIII .

If there is any damage to the vehicle's rollover protection device, please contact Segway Powersports.

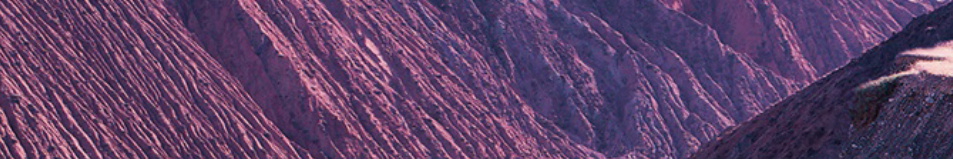
The dealer thoroughly inspects the ROPS or replaces it.



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

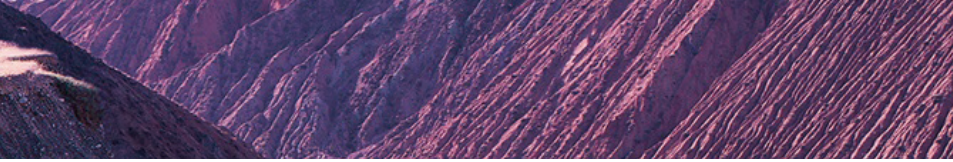
⚠ WARNING

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



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OPERATION

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

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

⚠ WARNING

Failure to inspect and verify that the vehicle is in safe operating condition before operating increases the risk of an accident. Always perform the Pre -Ride Inspection outlined in the Operation chapter 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. See the Periodic Maintenance section of the Maintenance chapter.

BASIC DRVING GUIDE

TRAIL ETIQUETTE

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

KNOW YOUR RIDING AREA/TREAD LIGHTLY

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

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

VEHICLE BREAK-IN PERIOD

Your vehicle's break-in period is the first 25 hours of operation or the riding mileage which used first two full tanks of gas. Careful handling of new engine and drive components will improve the performance and service life of these components. Follow these steps carefully.

BRAKE SYSTEM BREAK-IN PERIOD

In order to achieve the best braking performance, the brake must be not less than 200Km run-in when use.

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

BELT BREAK-IN PERIOD

Proper break-in of the clutch and driving belt will ensure longer service life and better performance. Run the break-in clutch and belt at low speeds for the recommended break-in time, only pulling light loads. Avoid violent acceleration and high speed running during break-in. 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. Before operating this vehicle, read and understand the owner's manual and all warning and instruction labels.
2. Perform a pre-ride check.
3. Do not carry goods during this period.
4. Do not carry passengers until you have driven the car for at least two hours.
5. Choose a suitable and open area to familiarize yourself with the operation of the vehicle.
6. Safety helmets, eye protection, gloves, long-sleeved shirts, trousers, ankle boots and safety belts must be worn at all times.
7. Sit in the driver's seat, fasten the seat belt, and put the transmission in the "P" position.
8. Depress the brake pedal and release the parking brake.
9. Start the engine.
10. Put the transmission in low gear.
11. Check your surroundings and determine your driving route.
12. Hold the steering wheel with both hands, slowly release the brake, depress the accelerator with your right foot, and start driving.
13. Drive slowly at first, and practice starting, stopping, turning, maneuvering, using the accelerator, brakes, and reversing on a flat ground. When learning how the vehicle operates, practice left and right turns at a slow speed.
14. When you make a turn proficiently and start to run at a faster speed, please observe the following precautions:

Avoid sharp turns

- **Don't turn when stepping on the accelerator.**
- **Don't swerve when driving the vehicle.**
- **Operate according to your skills conditions and terrain.**
- **Do not jump the vehicle or perform any other driving stunts.**

DRIVING WITH PASSENGERS

1. Finish the overview of the new operator driver on the page 66.
2. Pre-ride check. Please refer to the page 75.
3. Don't carry more than one passenger in a two-seat vehicle. The additional passenger will affect the operator's ability to drive and control the vehicle.
4. All riders must be able to sit with their backs on the seat, with their feet flat on the floor, and their hands on the steering wheel (if driving) or on the passenger armrest/grab bar.
5. The driver and all passenger must wear helmets, eye protectors, gloves,long-sleeved shirts, trousers, ankle boots and seat belts. Please refer to the page 13.
6. Passenger can only sit in the passenger seat when driving.
7. Slow down. Always travel at a speed appropriate for your skills, your passengers' skills and operating conditions. Avoid unexpected or aggressive maneuvers that could cause discomfort or injury to a passenger.
8. Vehicle handling may change with passengers and/or cargo on board. Allow more time and distance for braking.

STARTING THE VEHICLE

1. Depress the brake pedal and do not release it.
2. Turn ignition lock switch to "ON" position.
3. Press the "one-button start" button for 1.5 seconds to 2 seconds (no more than 4 seconds), and the engine will start.

Wear riding gear before starting the vehicle, make sure the doors are closed, and the driver and passengers must fasten their seat belts.

PARK THE VEHICLE

1. Press the brake pedal and put the shifter in "P".
2. . Turn the ignition lock key to the "OFF" position, and the key can be removed from the vehicle.
3. Put down the parking brake handle (P. 50)

BRAKING

1. Release the throttle pedal completely.

NOTICE
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.
3. 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 structure, 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. Stop the engine.
4. Slowly release the brake pedal and make sure the transmission is in PARK before exiting the vehicle.
5. Remove the ignition key to prevent unauthorized use.

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

DRIVING THROUGH WATER

Your vehicle can operate through water with a maximum recommended depth equal to floor level. Follow these precautions when operating through water:

NOTICE

Major engine damage can result if the vehicle is not thoroughly inspected after operating 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.
5. Proceed slowly. Avoid rocks and obstacles.
6. Balance your weight carefully. Avoid sudden movements.
7. Maintain a steady rate of speed. Do not make sudden turns or stops. Do not make sudden throttle changes.

DRIVING IN REVERSE

Follow these precautions when operating in reverse:

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

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. Always move the 4X4 switch to 4X4WD (if equipped) before ascending or descending a hill.

2. Always travel straight uphill.
3. Keep both feet on the floor.
4. Always check the terrain carefully before ascending any hill. Never climb hills with excessively slippery or loose surfaces.
5. Proceed at a steady rate of speed and throttle opening. Never open the throttle suddenly.
6. Never go over the crest of a hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.

DRIVING DOWNHILL

When driving downhill, follow these precautions:

1. Avoid excessively steep hills.
2. Always move the 4X4 switch to 4X4WD (if equipped) before ascending or descending a hill.
3. Drive straight downhill. Avoid descending a hill at an angle, which would cause the vehicle to lean sharply to one side. Travel straight downhill when possible.
4. Slow down.
5. Apply the brakes slightly to aid in slowing.

DRIVING ON A SIDEHILL (SIDEHILLING)

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. Exercise extreme caution.
3. Avoid crossing the side of a steep hill.

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.

PARKING THE VEHICLE

1. Stop the vehicle on a level surface. When parking inside a garage or other structure, 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.

ENGINE BREAK-IN GUIDELINES

The engine break-in period is the first 25 hours of operation or the riding mileage which used first two full tanks of fuel.

- Avoid full throttle operation.
- Avoid pressing the accelerator pedal past ¾ down.
- Avoid continuous acceleration.

The brake needs a 200km break-in period.

New brakes will not operate at their maximum efficiency until the break-in period is over. Brake performance may be compromised if not followed.

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

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 will help you monitor component wear and deterioration before they become a problem.

Correct any problems that you discover to reduce the risk of a breakdown or accident.Inspection Items.

Item	Note	Page
Brake system/pedal travel	Ensure proper operation	P40
Brake fluid	Ensure appropriate level	P115
Front suspension	Check and lubricate if necessary	P122
Rear suspension	Check and lubricate if necessary	P122
Tire	Check status and pressure	p117
Wheel/fastener	Check to ensure the tightness of fasteners	p119
Nut、bolt、fastener	Check to make sure it's tight	——
Fuel	Ensure appropriate level	P58
Engine oil	Ensure appropriate level	P98
Coolant level	Ensure appropriate level	P112
Coolant pipe	Check leakage	——
Throttle	Ensure proper operation	——
Air intake prefilter	Check ,clean	P124-125
Front headlight	Check operation	P35
Brake light/taillight	Check operation	——
Seat belt	Check the length of the seat belt for damage and check whether the latch is in normal operation	P55

HAULING CARGO

⚠ WARNING

Overloading the vehicle or carrying cargo improperly can alter vehicle handling and may cause loss of control or braking instability. Always follow these precautions when hauling cargo:

Never exceed the stated load capacity for this vehicle.

Reduce speed and allow greater distances for braking when hauling cargo.

Never exceed the maximum weight capacity of the vehicle. When determining the weight you are adding to the vehicle, include the weight of the operator, passenger(s), accessories and loads in the rack or box. The combined weight of these items must not exceed the maximum weight capacity.

Always load the cargo box with the load as far forward and as low as possible.

When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions.

Always operate the vehicle with extreme care when hauling cargo. Slow down and drive in the lowest gear available.

⚠ WARNING

SECURE ALL LOADS BEFORE OPERATING. Unsecured loads can create unstable operating conditions, which could result in loss of control of the vehicle.

OPERATE ONLY WITH STABLE AND SAFELY ARRANGED LOADS. When handling off-centered loads that cannot be centered, securely fasten the load and operate with extra caution.

HEAVY LOADS CAN CAUSE BRAKING AND CONTROL PROBLEMS. Use extreme caution when applying brakes with a loaded vehicle. Avoid terrain or situations that may require backing downhill.

USE EXTREME CAUTION when operating with loads that extend over the rack sides. Stability and maneuverability may be adversely affected, causing a rollover.

DO NOT TRAVEL FASTER THAN THE RECOMMENDED SPEEDS. Vehicle should never exceed 10 MPH (16 km/h) while towing a load on a level grass surface. Vehicle speed should never exceed 5 MPH (8 km/h) when towing loads in rough terrain, while cornering, or while ascending or descending a hill.

NEVER EXCEED PAYLOAD LIMITS OF VEHICLE. Reduce speed, turn gradually, and allow greater distance for braking when carrying cargo. Carrying a passenger in the cargo box could result in a fall from the vehicle or contact with moving components. Never allow a passenger to ride in the cargo box.

Your vehicle has been designed to carry or tow specific capacities. Reduce speed and allow a greater distance for braking when carrying cargo.

Loads should be centered and carried as low as possible in the box. For stability on rough or hilly terrain, reduce both speed and cargo. Exercise caution if the cargo load extends over the side of the box.

Always read and understand the load distribution warnings listed on warning labels and in this manual. Never exceed the maximum capacities specified for your vehicle.

BELT LIFE

To extend belt life, use low gear when hauling or towing heavy cargo.

TOWING LOADS

⚠ WARNING

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

Always follow these precautions when towing:

1. Never load more than 110 kg tongue weight on the towing bracket.
2. When towing a disabled vehicle, place the disabled vehicle's transmission in neutral. Do not operate the vehicle faster than 16 km/h when towing.
3. Towing a trailer increases braking distance. Do not operate the vehicle faster than 16 km/h when towing.
4. Do not tow more than the recommended weight for the vehicle.
5. Attach a trailer to the trailer hitch bracket only. Do not attach a trailer to any other location, which could result in loss of control of the vehicle.
6. The total load (operator, accessories, cargo and weight on hitch) must not exceed the maximum weight capacity of the vehicle.

MAXIMUM LOADING CAPACITY

Don't over the maximum loading capacity:

Vehicle Model	SGW570F-U3/U4
Maximum weight （capacityincludes weight of operator passengers cargo and accessories）	497 kg
Maximum cargo load	272 kg
Maximum unbraked towing mass	550 kg
Maximum unbraked tongue mass	100 kg
Maximum inertiabraked towing mass	860 kg
Maximum inertiabraked tongue mass	100 kg

DUMPING THE CARGO BOX

To dump the cargo box, do the following:

1. Select a level site to dump the cargo box. Do not attempt to dump or unload the vehicle while parked on an incline.
2. Apply the brakes.
3. Set the parking brake.
4. Turn the key to the off position.
5. Dismountvehicle.
6. Ensure that the cargo is positioned evenly or toward the front of the cargo box.

⚠ WARNING

If the weight distribution on the box is located toward the rear of the box when the release lever is pulled forward, the box may dump unexpectedly and cause serious injury to the operator or bystanders. Never operate the dump lever without ensuring that the load is positioned evenly or at the front of the box.

7. Release the tailgate latches.
8. Stand clear and pull up on the cargo box release lever.
9. Lift the front of the cargo box to dump the cargo.
10. Lower the cargo box and push down securely to latch.
11. Close the tailgate and secure both tailgate latches.

⚠ WARNING

Operating the vehicle while the cargo box is raised could result in severe injury. The box could close unexpectedly and cause injury to the driver or passenger. The rear tires will also catch the rear of a raised box, damaging the vehicle and creating hazardous driving conditions. Never operate this vehicle with the cargo box in the raised position.

LOADING GUIDELINES

When transporting cargos, please follow below instructions:

1. Do not exceed the weight specified in the warning label and this manual.
2. Don't allow passengers to sit in the cargo box.
3. Make sure all cargo is secured before riding.
4. Avoid riding on steep slopes when carrying cargo or pulling a trailer.
5. Use low-speed gear when hauling heavy cargo.
6. When handling cargo, operate the vehicle with caution.

TRAILER(IF EQUIPPED)

The towing device is a detachable part. It can be removed from the vehicle when not in use. When towing a load that the towing weight does not include the towing device.

- The total load (weight on the operator, accessories, cargo and trailer) shall not exceed the maximum capacity of the vehicle.

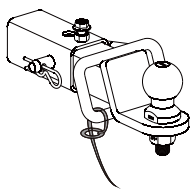
Where a designated attachment point is provided on the towbar:

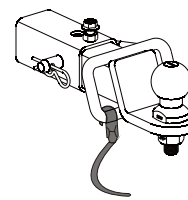
Either:

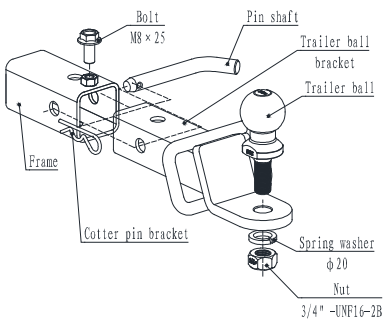
Pass the cable through the attachment point and clip it back on itself.

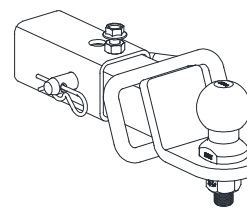
Or:

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









WINCH OPERATION GUIDE

If your vehicle is equipped with a winch, please read this manual before installation and use to 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 owner's manual. If the

instructions or warnings are not followed, serious property damage or personal injury may occur.

- It is strictly prohibited for people under the age of 16 years old to use this equipment.
- 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 meets the maximum rope pull force rating. We recommend using an optional pulley block, double rope using a pulley block double rope will help reduce the load on the winch, rope and battery. When using a double rope, the rated value of the pulley block should be two times the rope pull of the winch rating.
- Under heavy loads, do not operate the winch for long periods of time. Electric winches are only designed for intermittent use and, should not be used under constant load. Do not pull for more than one minute. If the winch motor feels very hot, stop the winch and let it cool down for a few minutes.

- **The rope end cannot bear the full load when fully extended, the rope must rotate around the drum at least 5 times.**
- Avoid pulling from extreme angles, as this will cause the rope to be rolled on one end of the barrel and may damage the rope or winch.
- Note that the rope-drawing capacity of the winch is the maximum rope- drawing capacity of the first layer, do not operate the winch with overload capacity past this amount of rope.
- Never hook the rope back to itself, otherwise the rope will become damaged. Use trunk protection protector.
- Before operation, make sure that the winch is firmly installed on the vehicle or bracket.
- Before moving heavy objects, check the rope to prevent kinks and uneven wire layers. The rope slack must be properly tightened under a weight of about 100Kg.
- When pulling the load, be sure to place a protective layer on the wire rope near the hook end. This will prevent the possibility of breaking the rope and help prevent serious injuries and damage.
- **Do not move the winch to assist in hauling heavy objects, it is easy to overload the winch and cause damage to the rope.**
- Pay attention to the dangerous area. Stay away from the danger area during winch operation.The dangerous area is the area that contains the winch drum, fairlead, rope, pulley block, hook and motor.
- When the winch is under load, do not approach or cross the rope.
- When using the winch to move the load, place the vehicles transmission in neutral and apply the brake of the vehicle and place wedges under each wheel. When the hoist is working, the vehicle engine should be operated to charge

the battery. Never use the winch with insufficient voltage.

- Never disconnect the power supply when there is a load on the winch.
- After the operation, release the load immediately and do not tighten the rope.
- Always stay away from ropes, hooks and winches when in operation or under load.
- Check winches, ropes, hooks, and broken strands of worn rope regularly. When handling the rope, please wear thick leather gloves. Do not let the rope slip over your hands. Check the rope before use.
- Crushed, pinched, worn or kinked areas seriously reduce the carrying capacity. A damaged rope should be replaced. It must be re-wound under a load of about 100 pounds.
- **The clutch should be disconnected first, and then the rope should be pulled by the hook of the protective lever. Do not pull the rope directly through the hook with your fingers.**
- Maintain the specified tension so that the rope 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. Be cautious during operation. 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 long hair tightly under a work cap and remove all jewelry.
- When the winch is in use, be sure to start the vehicle engine and set the gear position to "N."
- When the winch is working, it will draw voltage, so you must start the vehicle and step on the accelerator lightly to avoid damage to the battery.

- 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.

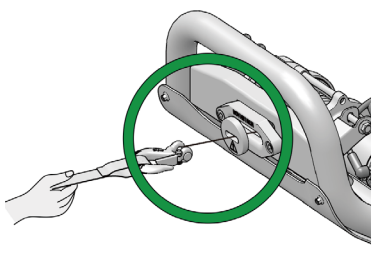
⚠ WARNING

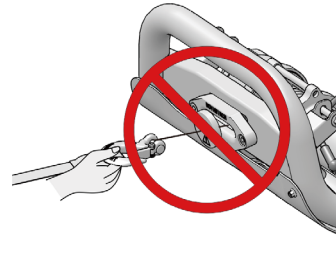
When releasing or retrieving the winch rope, both ends of the rope must be left with sufficient

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

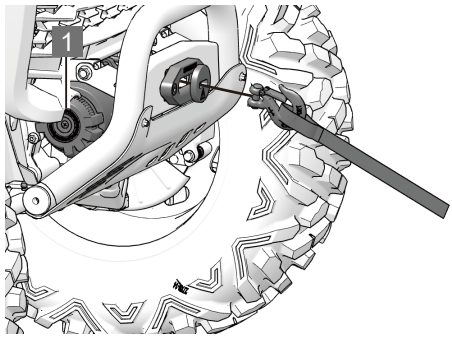
Always use the tow rope to pull the hook, do not hold the hook with your hands. This is not only important when winding the wire rope, but also when removing the wire rope from the winch under power.





WINCH OPERATION

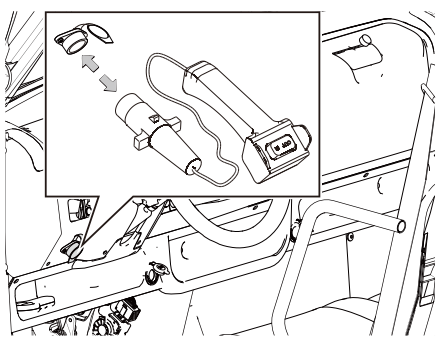
Manual Release switch of Winch



1 Manual release switch of Winch

- When the winch manual release switch is turned clockwise, the winch cable can be pulled out manually.
- When the winch manual release is switched (turned counterclockwise), the winch can be controlled by the switch.

Operation of control Switch

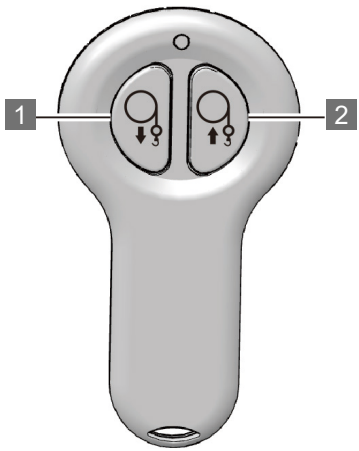


OUT：Release the winch cable **IN：Recoil the winch cable**

Remove the control switch from the passenger armrest storage and connect the control switch to the power interface of the winch located at the front of the vehicle.

1. Open the waterproof cover of the power interface of the winch switch.
2. Insert the control switch wire into the power interface.

Remote control operation



1 Release the winch cable

2 Reclaim the winch cable

NOTICE

When the remote control loses control, the batteries in the remote control may be depleted, so replace them with new ones.

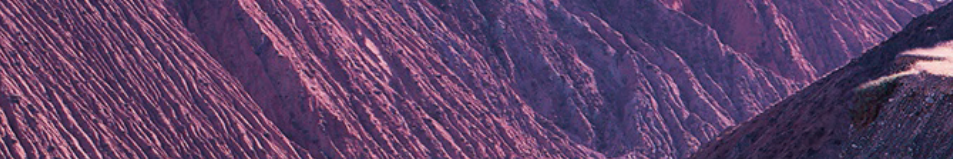
Press the 2 buttons simultaneously without moving for 3S to activate the remote control switch, the indicator light will flash 3 times.

Press 1 to release the winch cable, press 2 to retrieve the winch cable.

Press the 2 buttons simultaneously for 3S to turn off the remote control switch, the indicator light will go out.

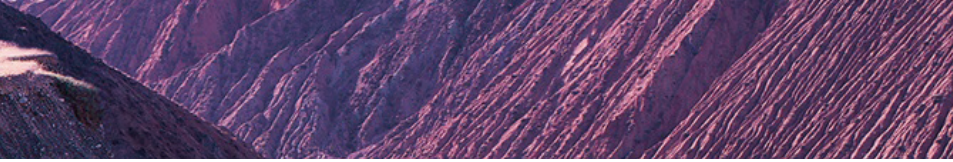
When using the winch, it is best to keep the winch rope in a straight line with the vehicle.Excessive angles can change the direction of pulling force and damage the rope;

if the winch generates serious noise or vibration during use, the winch operation must be stopped immediately.



MAINTENANCE,STORAGE AND TRANSPORTATION

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MAINTENANCE,STORAGE AND TRANSPORTATION

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PERIODIC MAINTENANCE

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 in the need for replacement parts, use genuine Segway Powersports parts available from your authorized Segway Powersports dealer.

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

Maintenance intervals in the following chart are based upon average riding conditions. Vehicles subjected to severe use and / or conditions 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 idling.**

Maintenance Chart Key

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

Perform all services at whichever maintenance interval is reached first. Record maintenance and services 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

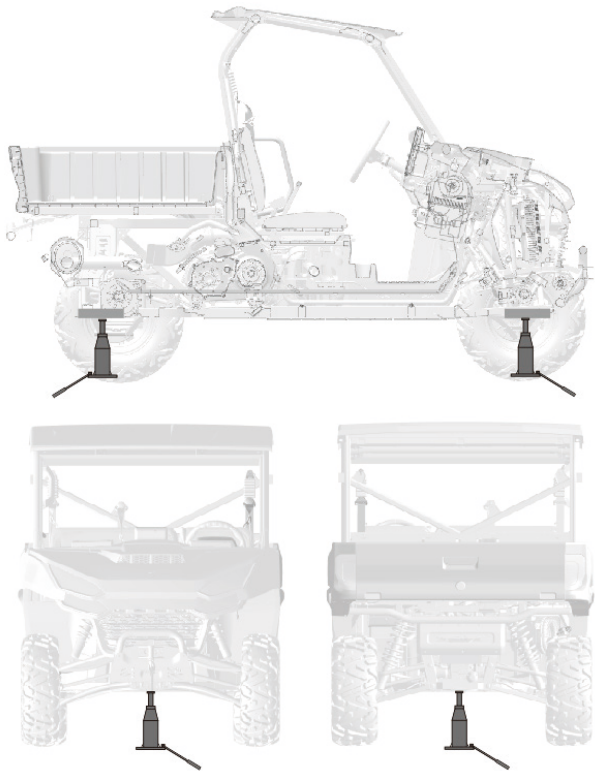
PERIODIC MAINTENANCE

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

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	2200 mL	Maintain level in safe range on dipstick
Front axle	SAE 80W-90 GL-5	260 mL	Quantitative filling
Rear axle	SAE 80W-90 GL-5	200mL (No differential) 240mL (With differential)	Quantitative filling
Coolant	Coolelf ECO BS -35 ˚C Green	4800 mL	Maintain the level between the fill lines.
Brake fluid	DOT4		Maintain the level between the fill lines.
Suspension, balance bar Grease	Semi synthetic waterproof lubricating grease	——	Grease nozzle (2 Pump max) per 800 Km.

ENGINE OIL MAINTENANCE PROGRAM

Be sure to check and change the oil at the time required by the regular maintenance chart. Be sure to use the recommended engine oil. The oil filter must also be changed every time the oil is changed. Pay 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 Segway Powersports dealer can assist.

⚠ WARNING

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

OIL RECOMMENDATION

Change the oil filter every time the oil is changed.

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

Please refer to the fluid recommendation, capacity, and blockage torque in the lubrication oil guide section.

⚠ CAUTION

Mixing brands or using non recommended oils may cause serious engine damage. Always use recommended oil and never use mixed engine oil.

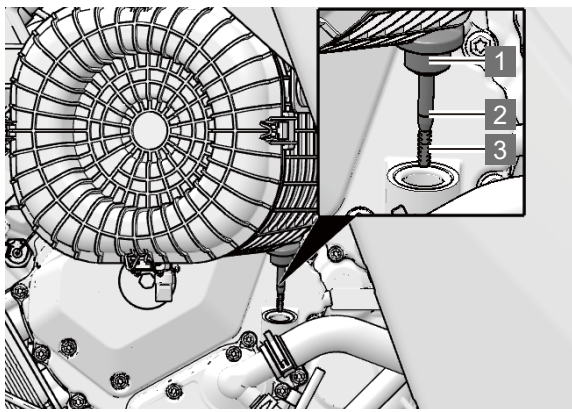
OIL LEVEL INSPECTION

NOTICE

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

The oil dipstick is located on the right side of the engine, below the air filter.

1. Park the vehicle on a level surface when the engine is stopped.



1 **Oil dipstick** 2 **Upper reticle** 3 **Lower reticle**

2. Loosen and remove the oil dipstick.
3. Wipe the dipstick clean and draw it in again, then take it out and check the oil level.

Oil level inspection is shown in the figure: upper and lower scales. The appropriate oil level is located between the upper and lower scales. If the oil level is below the lower scale, it indicates that the oil level is too low. If it is above the upper scale, it indicates that the oil level is too full. Neither too little nor too full is suitable.

4. After cleaning the oil dipstick, pull it in again and tighten it.
5. If the oil level is close to or below the lower oil level mark, please add an appropriate amount of engine oil.

CHANGING ENGINE OIL & FILTER

NOTICE

Change the oil filter every time the oil is changed.

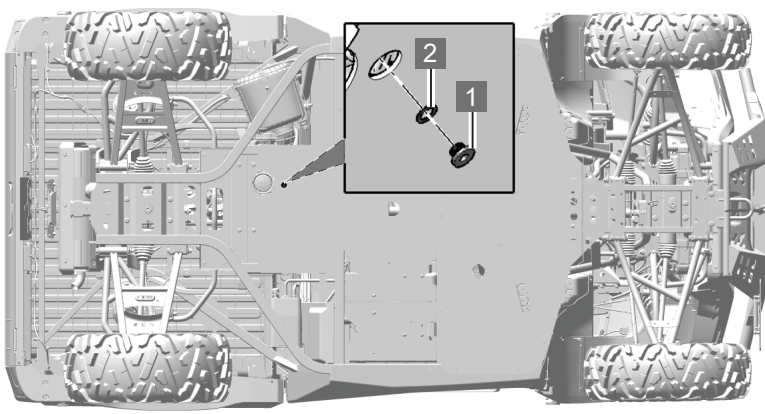
⚠ WARNING

The used engine oil contains potentially hazardous pollutants, which can cause causes skin diseases such as dermatitis and skin cancer, so care should be taken 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 filter must be disposed in a safe and compliant way with environmental regulations. Do not dispose used oil and filters in domestic garbage, sewers or on the ground. For information on oil recycling or scrapping, please consult your Segway Powersports dealer.

Do not put used engine oil in a place where children can reach.

DRAIN OIL



1 Oil drain plug 2 Washer 14×21×1

The emission location is located under the engine at the bottom of the vehicle.

1. Place the vehicle on a flat surface.
2. Start the engine and let it warm up for two to three minutes during idle time.

⚠ WARNING

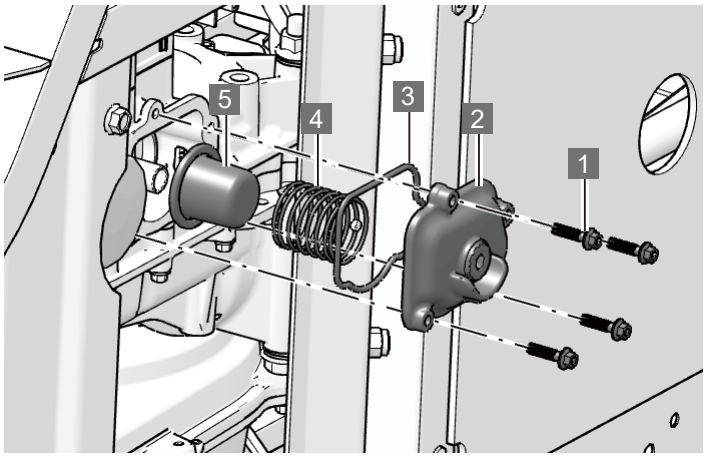
Hot oil can cause skin burns. Do not let hot oil come into contact with the skin.

3. Place a suitable container below the oil drain plug to collect the discharged waste oil.
4. Remove the oil drain plug, remove the copper washer, and wait for the waste oil to be completely drained.
5. Wait for the waste oil to be completely drained.
6. Reinstall the copper washer and oil drain plug.

Oil drain plug torque	**16-20N.m**

FILTER CLEANING

The oil filter of this engine is a two-stage filter, and the oil filter is filtered first. Clean it according to the specified time and do not use inferior oil.



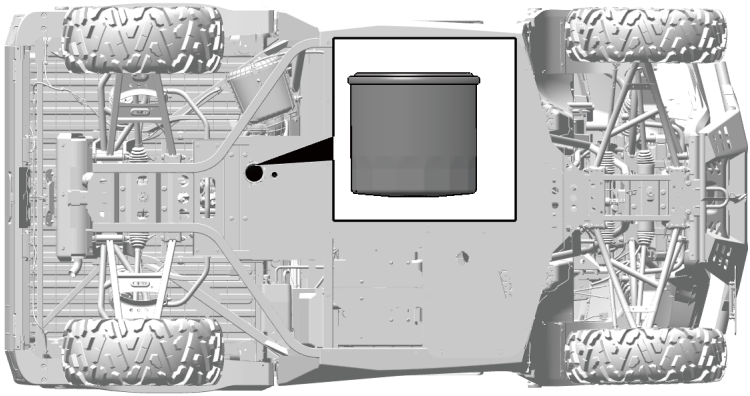
1 Screw M6 * 25 **2 screen cover** **3 O-ring seal**

4 Filter spring **5 oil-filter screen**

After draining the oil, check the oil filter. If cleaning is required, please perform the following procedure:

1. Use tools to remove 4 bolts.
2. Remove the filter cover, O-ring seal, and filter spring in sequence.
3. Remove the oil filter and clean it.

OIL FILTER REPLACEMENT

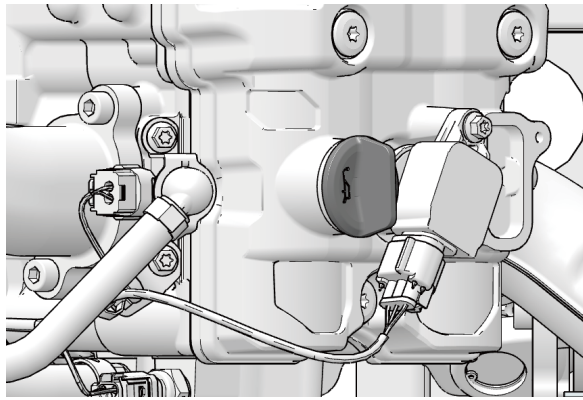


The oil filter is located below the engine.

1. Use an oil filter wrench to turn the oil filter counterclockwise and remove it.
2. Clean the sealing surface of the filter on the engine crankcase with a clean dry cloth.
3. Use new engine oil to lubricate the O-ring on the new oil filter, check to ensure that the O-ring is in good condition, and install according to specifications.
4. Install the new filter and manually rotate it clockwise until the filter gasket comes into contact with the sealing cover and is fully tightened.

Oil filter torque	18-22N.m

ADDING ENGINE OIL



The engine oil filling port is located under the cargo box. Flip the cargo box :

1. Turn the oil filler cap counterclockwise.
2. Add an appropriate amount of recommended engine oil and do not overfill. The oil level should be between the upper and lower marks, which is the appropriate level.
3. Tighten the oil cap again.
4. Place the gear shifter in Park.
5. Lock the parking brake.
6. Start the engine and let it idle for 5 minutes.
7. Stop the engine.
8. Check for leaks.
9. Check the oil level and add oil as needed to reach the mark on the dipstick.
10. Properly handle used filters and engine oil.

FRONT AXLE/REAR AXLE

Check and replace the front and rear transmission drive fluid at the intervals specified in the Periodic Maintenance Table. If any leaks are found, please contact a Segway dealer to inspect and repair the vehicle.

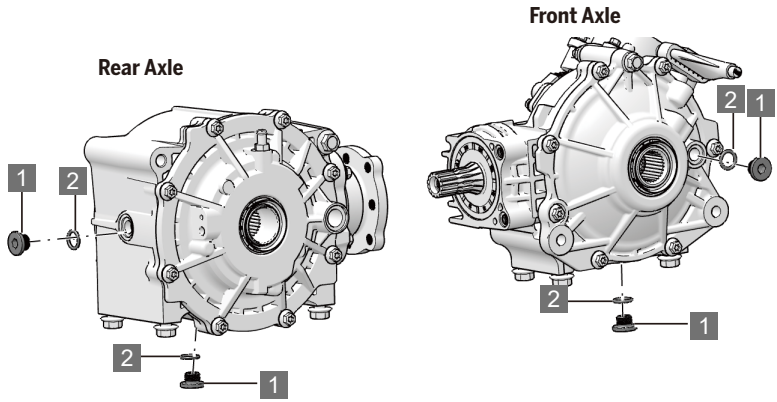
If the four-wheel drive device is in extreme use, the front axle oil should be replaced every 25 hours. Extreme use includes any of the following:

- Continuous operation in four-wheel drive
- Long term use of four-wheel drive mode in mountainous areas
- The main operating mode is four-wheel drive mode

NOTICE

If the front axle makes too much noise during four-wheel drive operation, it is necessary to replace the drive fluid. If the noise persists, please contact your Segway dealer.

FRONT AXLE/REAR AXLE OIL DRAINAGE AND FILLING



1 Discharge plug/injection plug **2 O-ring**

1. Position the vehicle on a horizontal plane. Remove the injection plug.
2. Remove the drain plug and O-ring to completely drain the oil.
3. Clean and reinstall the drain plug and O-ring. If the O-ring ages, replace it with a new one.
4. Reinstall the drain plug and O-ring according to the recommended torque.
5. Add an appropriate amount of recommended oil, and the liquid level should reach the bottom of the filling hole thread.
6. Reinstall the injection plug and O-ring according to the recommended torque.
7. Check for leaks and handle used liquids properly..

Discharge plug/injection plug torque	11.8-14.8ft·lb. (16~20N.m)

CVT BELT

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

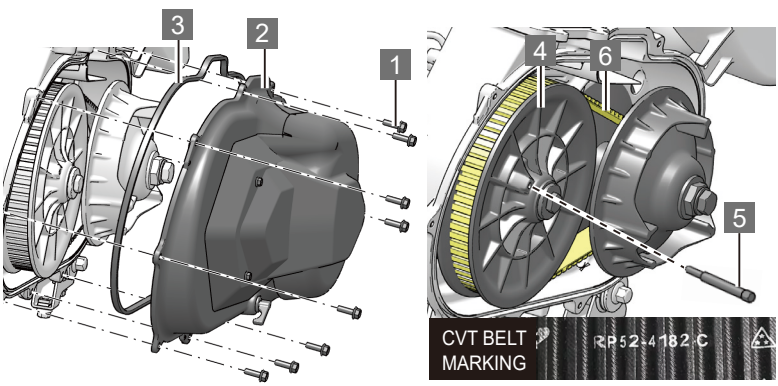
When replacing the belt, clean the CVT housing pipe, clutch and the engine compartment for debris.

BELT REPLACEMENT/DEBRIS REMOVAL

⚠ WARNING

Failure to remove all debris when the belt is replaced can result in vehicle damage, loss of control and serious injury or death

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



1 **CVT outer cover bolt** 2 **CVT outer cover** 3 **CVT cover seal**
4 **Driven pulley** 5 **CVT belt replacement tool** 6 **CVT belt**

1. Remove the CVT outer cover bolts, outer cover and the sealing ring.
2. Use the driven wheel top rod (special tool) to counter the hole in the driven wheel as shown in the picture, and use a tool to twist the top rod to open the driven wheel disc.
3. Take out the drive belt to be replaced, and clean up the debris in the CVT compartment.

INSTALL THE DRIVE BELT

The installation steps are basically the reverse of the removal.

⚠ CAUTION

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.

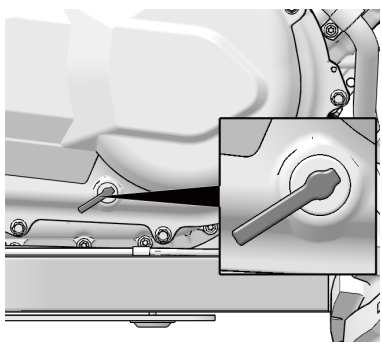
1. Wrap the drive belt around the CVT driving wheel.
2. Use the CVT belt replacement tool to open the CVT driven pulley, wind the drive belt into the CVT driven pulley.
3. Install the CVT sealing ring and the CVT outer cover, tighten the CVT outer cover.

CVT cover bolt Torque	7.4 ft·lb. (10 N.m)

DRYING THE CVT

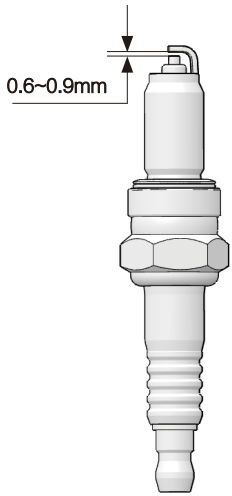
In some cases, the water may soak into the CVT system and must be dried out it before driving.

1. Remove the CVT clutch drain plug.
2. Wait for the water to drain out and reinstall the water drain plug.
2. Start the engine.
3. Increase the engine speed and maintain it for 10-15 seconds to remove the excess moisture and dry the belt and CVT. DO NOT fully open the throttle during this operation.
4. Shift gears to the low range and test for belt slippage.
5. If the belt still slips, repeat the process.
6. Visit your Segway Powersports dealer if your vehicle needs service.



SPARK PLUG

Refer to the specification below for the recommended spark plug type and clearance specifications.



⚠ CAUTION

The use of anything but the recommended spark plug can cause serious engine damage. Always use the recommended spark plugs or their equivalents.

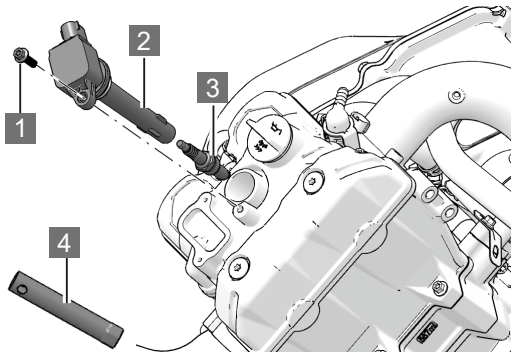
Spark Plug	
Model	NGK CPR7EA / TORCH B7RTC
Spark Plug Gap	0.6-0.9 mm
Spark Plug Torque	9.5 ft. lbs. (13 N·m)

SPARK PLUG INSPECTION

The spark plug condition indicates how the engine is running. Check or change the spark plugs within the maintenance time shown in the periodic maintenance schedule.

⚠ CAUTION

Allow the engine to cool before attempting to remove the spark plug for inspection. Hot exhaust system and engine will cause burns.



1 **Bolt** 2 **Ignition coil**

3 **Spark plug** 4 **Spark plug wrench**

The spark plug is located under the cargo box. Open the cargo box. When replacing the spark plugs, please replace both spark plugs at the same time.

1. Remove the ignition coil fixing bolts.
2. Take out the ignition coil, The spark plug is located below the ignition coil.
3. Using the spark plug wrench provided in the took kit, remove the plugs by rotating them counterclockwise.
4. Reverse the procedure for spark plug installation. Torque to specification.

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

If the spark plug shows electrode wear, carbon deposits or, clearance is too large replace the spark plugs.

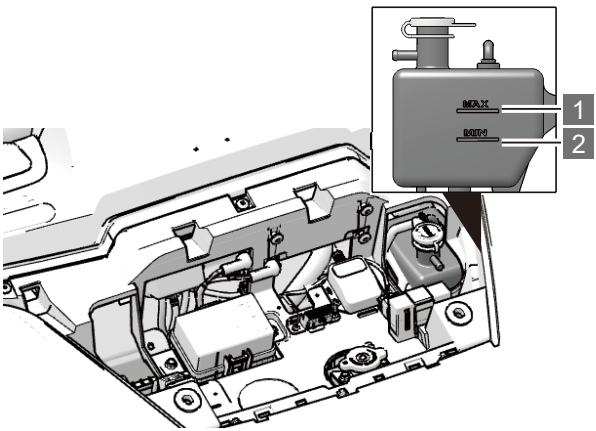
COOLANT

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

COOLANT BOTTLE

The coolant bottle is located under the front access cover.

1. Check the liquid level of the coolant bottle from the lower left side of the front panel of the vehicle.
2. If the liquid level is low, add the corresponding type of coolant.Coolant should be in the bottle remain level between minimum MIN and maximum mark MAX on the liquid (as the liquid cools).



1 MAX 2 MIN

3. Unscrew the lid and pour in the new coolant. Pay attention to the position of coolant when pouring. Do not exceed the maximum liquid level.
4. Reinstall the cover.
5. Cover the front maintenance cover .

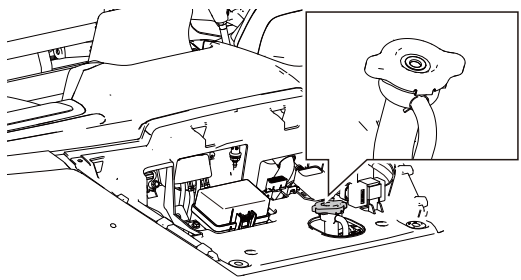
RADIATOR COOLANT

To ensure that the coolant maintains its ability to protect the engine, we recommend the system each five (5) years completely drained and new antifreeze 50/50 premix added.

⚠ CAUTION

Steam escaping can cause burns.Do not disassemble pressure relief cap when there is temperature or heat in the engine.The engine must be allowed to cool down before the pressure cap is removed.

Use fresh antifreeze when any cooling system fluid is removed for maintenance or repair 50/50 premix to replace coolant.If the recycling bottle has dried up, check the radiator The liquid level. Add coolant as needed.



1. Remove the ventilation hood.
2. Remove the pressure cap.
3. Use a funnel and slowly add coolant through the radiator filling port.
4. Reinstall the pressure cap.The use of non-standard pressure caps will affect the normal operation of recovery system.

Your dealer can provide the correct replacement parts.

BRAKE SYSTEM

The front and rear brakes are hydraulic disc brakes that are activated by pressing the brake pedal with your foot. These brakes are self-regulating. As the brake pads wears away, the brake fluid level will drop. Leakage in the system will also 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 the brake fluid at the recommended level and do not overfill.

Must check brake disc brake disc wear condition regularly.

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 (page 115).
2. Check the braking system for liquid any leakage.
3. Check whether the brake travels pedal stroke feels 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 0.06 in (1.5mm).
5. Check the safety and surface condition of the disc. Use the recommended brake cleaner 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 with your Segway Powersports dealer befor further operation.

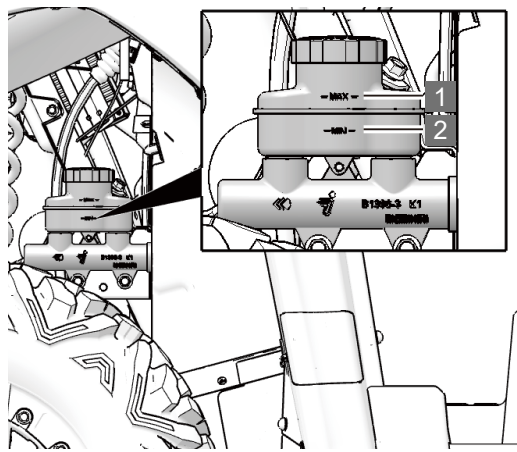
BRAKE FLUID

Use the recommended brake fluid:

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. Observe the liquid level in the container:



1 MAX Level 2 MIN Level

2. The brake fluid level is most suitable between the Max and Min level indicators. If it is lower than the Min indicator, add the recommended brake fluid and observe the fluid level.
3. Check whether the brake pads are worn.

NOTICE

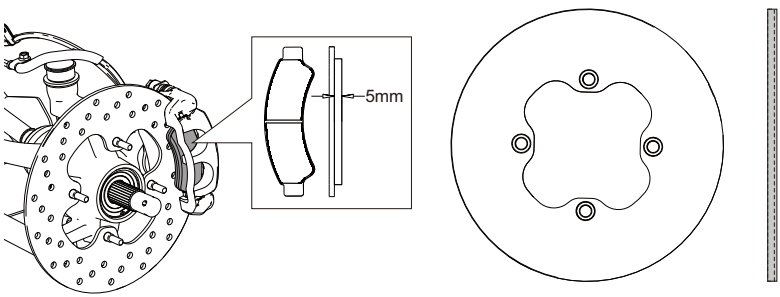
Brake fluid can damage plastic and painted surfaces and should be added with caution.

If the brake fluid comes into contact with the skin or eyes, flush with plenty of water immediately. If you feel sick, seek medical attention immediately.

BRAKE LINING AND BRAKE DISC

The wear of brake linings and brake discs will depend on the severity of usage and driving conditions. Brake linings wear faster in wet and muddy conditions. Regularly check the wear of the brake lining and brake disc according to the maintenance schedule. If the wear of the brake lining and brake disc exceeds the required value, the brake lining and brake disc must be replace.

Brake components thickness	Standard thickness	5.0 mm
	Minimum thickness	1.5 mm
brake discs thickness	Standard thickness	5.0mm
	Minimum thickness	4.0mm



TIRE

TIRE PRESSURE

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

- Reduced fuel efficiency.
- Reduced driving comfort and shortened tire life.
- Reduction in safety reduction.

When checking tire pressure, use the following instructions:

	Tire size	tire pressures
Recommended tire pressures	Front wheels 27×9.00-14	70 kPa（10.0 PSI）
	Rear wheels 27×11.00-14	110 kPa（16.0 PSI）
	Front wheels 27×9.00-R14	70 kPa（10.0 PSI）
	Rear wheels 27×11.00-R14	110 kPa（16.0 PSI）
	Front wheels 30×10.00R14	70 kPa（10.0 PSI）
	Rear wheels 30×10.00R14	110 kPa（16.0 PSI）

- Allow the tire cools down before checking pressure.
- If the vehicle has been parked for at least 3 hours, or has not driven more than 1 mi (1.5km), the check at this time can get an accurate reading of the cold tire inflation pressure.
- Tire appearance can sometimes be misleading. Even a few pounds less air in a tire can affect driving and handling performance.
- Increased tire pressure is normal after driving, do not reduce the tire pressure after driving.

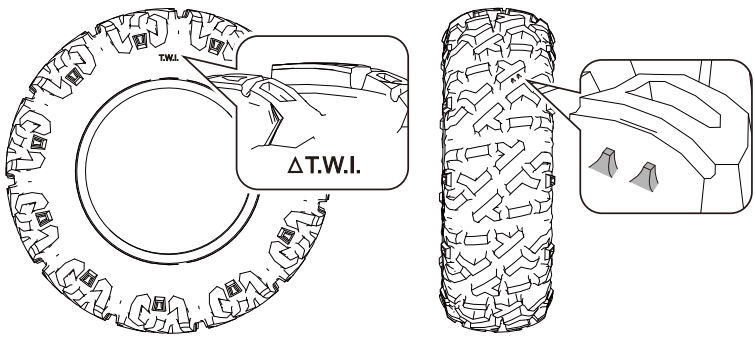
TREAD DEPTH

Inspection method 1：

- Observe the tire wall to find the Tire Eear Indicator (TWI) or "△", follow the triangle sign to see limit. When the tread reaches the top of the indicator, it is time to replace the tire(s).

Inspection method 2：

Check the wear condition of tire tread block. When the wear condition of tire tread block is at least 1.6mm higher than trad, replace the tire.



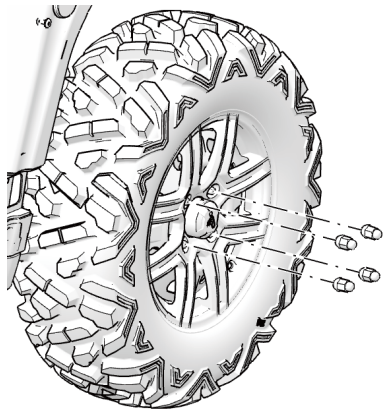
When to Replace a tire:

- If tire is damaged, such as a cut, delamination, or a deep crack of the sidewall, or a bulge is all indications that the tire is damaged.
- Tires can have air leaks and cannot be normally repaired due to the size or position of the area of the leak. If you are not sure, consult your Segway Powersports dealer.

REPLACE THE TIRES

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

Wheel Removal



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

TWheel Installation

Tighten the wheel nuts diagonally to the specified torque during installation.

Torque to Specification：

Torque	Mounting nuts: 74~88ft. lbs.（100~120N·m）

⚠ CAUTION

Loosening the nut may cause the tire to fall off during operation, which may cause accidents or overturning. Always ensure that all nuts are tightened to the required value.

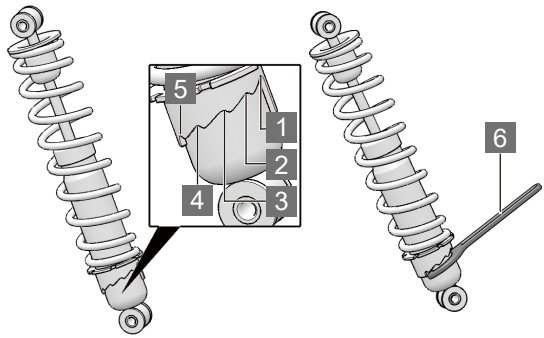
Do not use lubricating oil or grease on wheel bolts or wheel nuts. Lubricating oil or grease may cause excessive tightening of wheel nuts, resulting in damage to bolts or spoke wheels. In addition, lubricating oil or grease can cause wheel nuts to loosen and the wheels may fall off, leading to accidents and serious injuries. Remove any lubricating oil or grease from the wheel bolts or wheel nuts.

⚠ WARNING

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

Applications	The front wheel	The rear wheel
Segway UT6	27×9.00-14	27×11.00-14
	27×9.00 R14	27×11.00 R14
	30×10.00 R14	30×10.00 R14

SHOCK ABSORBER ADJUSTMENT



The spring adjustment sleeve of the hydraulic shock absorber there are 5 adjustment positions, the spring can be adjusted according to different terrain and loading conditions, if you feel too soft and too hard, it can be adjusted by the spring table adjustment.

Position 1 :
Standard position.

Position 2 ~ 5 :
When vehicle load is heavy, it can be adjusted to this position.

Gear	Spring	Environment	Load	Terrain	Speed
1	Soft	Flexible	Light	Flat	Low
2	↑	↑	↑	↑	↑
3					
4	↓	↓	↓	↓	↓
5	Hard	Solid	Heavy	Bump	High

Use crescent wrench 6 to adjust the impact spring pressure.

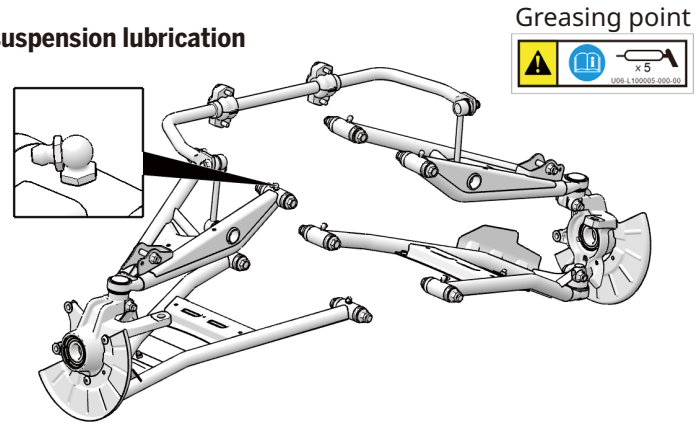
⚠ CAUTION

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.

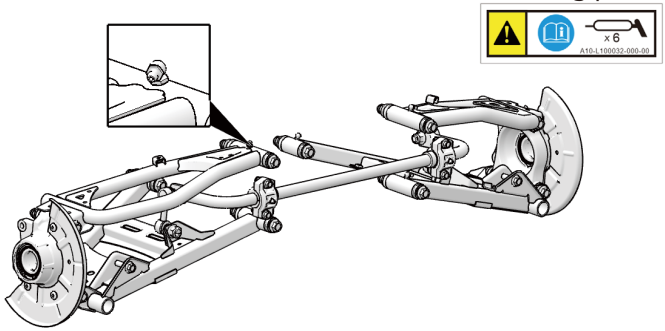
LUBRICATION

The front suspension, rear suspension, transmission shaft, and balance shaft components of the vehicle are all equipped with grease fittings. These components require sufficient lubrication during vehicle operation. Adding suitable grease according to the maintenance schedule can reduce wear and prolong service life of these components.

Front suspension lubrication

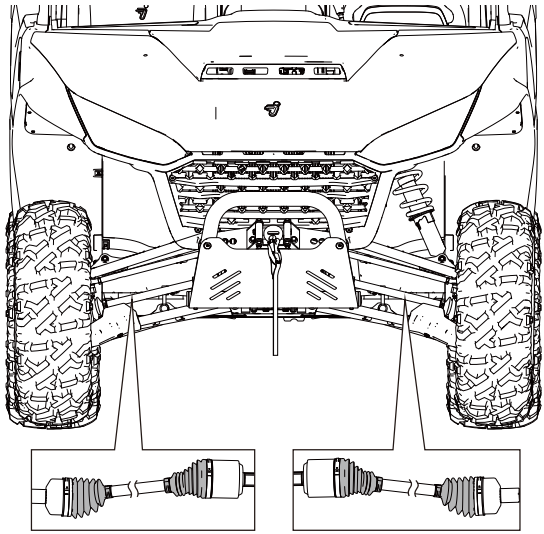


Rear suspension lubrication



FRONT/REAR DRIVE AXLE DUSTCOVER

Check for cuts, damage or grease leakage in the front and rear drive Axle dust boots. If you find an damage or grease leakage, please contact your Segway Powersports dealer for replacement.

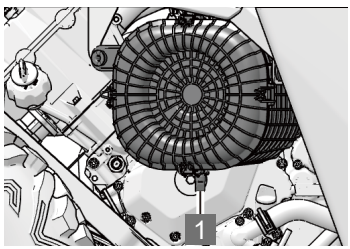


AIR FILTER

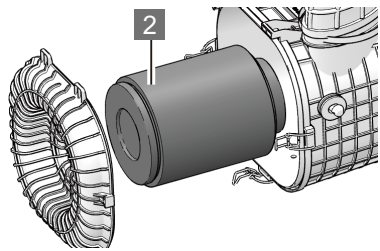
The air filter components and the air filter element need to be cleaned or replaced after a period of use, as described in the Periodic Maintenance Chart.

REPLACING AIR FILTER ELEMENT

Air filter is located under the rear cargo box.



1 **Air filter drain plug**



2 **Air filter element**

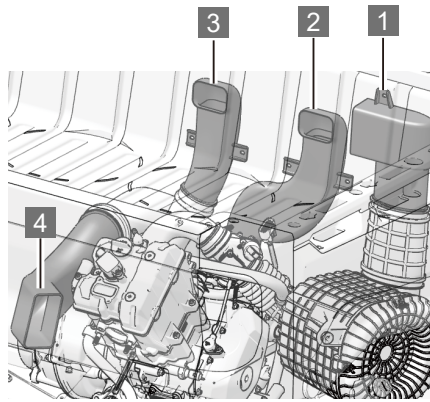
The air filter is located at the bottom right of the cargo box, turn the cargo box over to open.

1. Remove the air filter cover by unlatch clips of the air filter cover.
2. Remove the air filter element.
3. If there is water inside the air filter, remove the drain plug underneath the air filter, clean any standing water from the air filter, and clean the inside of the air filter of any impurities.
4. Clean or replace the filter element according to the cleanliness of the air filter element.
5. Reinstall the new air filter element.
6. Reinstall the air filter cover.

⚠ WARNING

When assembling the filter element, please ensure that the buckle and end cover of the filter element are installed in place, otherwise it may cause engine failure or reduce its service life. When driving in a dusty environment, please shorten the time interval for checking the filter element. If the air filter is soaked or the filter element is damp, please drain the water from the air filter and replace the filter element.

AIR FILTER INLET CAP AND CVT INLET MESH FABRIC



1 Air filter intake duct **2 CVT air intake duct 1**

3 CVT air intake 2 **4 CVT air outlet duct**

Check the air filter intake duct and air intake&outlet duct of CVT every day.

The air filter inlet cap and CVT inlet mesh fabric is located at the rear of the passenger's seat, turn the cargo box over to open. clean it if necessary, and replace it if damaged.

LAMP

⚠ CAUTION

Poor lighting can result in reduced visibility while driving. Please clean the headlamps frequently and replace non-working headlamps promptly.

To ensure optimum visibility and saftey, make sure the lights are properly adjusted.

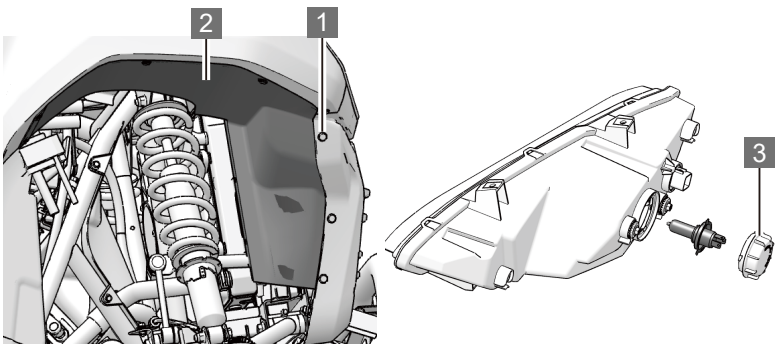
CHANGE THE HEADLIGHT

If the bulb is damaged, just replace it with a bulb of the same size.

⚠ CAUTION

Hot ingredients 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 to cause premature failure.



1 Expansion screw 2 Headlamp guard 3 Headlamp cover

Perform the following procedures:

1. Remove the headlamp guard by first removing the expansion screws on the headlamp guard.
2. Unscrew the headlamp cover.
3. Remove the harness connector from the lamp and remove the bulb to be replaced.

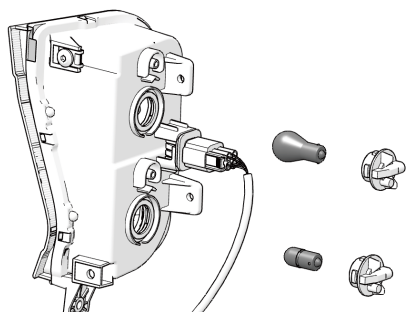
Reinstall the new lamp into the new headlamp assembly, the installation procedure is the reverse of the removal procedure, after installation, turn on the headlamp switch and test the light to see if it works properly.

NOTICE
Please replace lamp with the recommended power.

REPLACE TAILLIGHT/REAR TURN LIGHT

Procedures for replacing taillights：

Remove the rear taillight cover by removing the rear taillight cover expansion screws with a tool.



1. Unscrew the rear light holder.
2. Turn the bulb that needs to be replaced on the taillight seat from left to right. When the limit bead at the end of the bulb gets stuck in the limit slot of the lamp seat, the damaged bulb

can be taken out and replaced with a new bulb with the same power.

3. Test whether the lamp works normally.

HIGH BEAM ADJUSTMENT

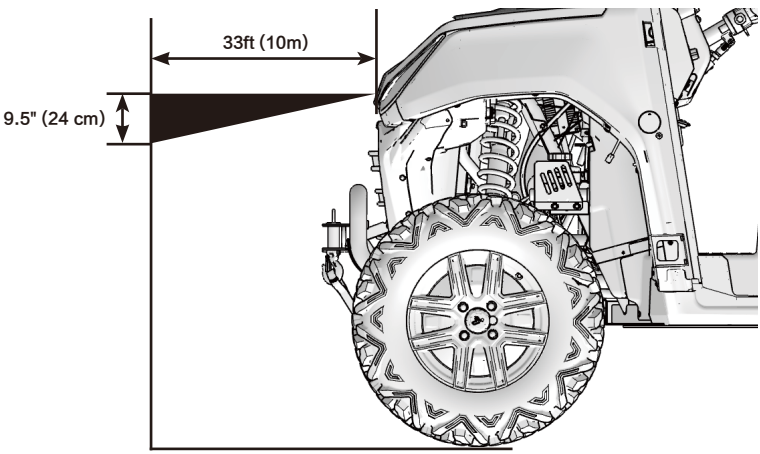
The headlight beam can be adjusted slightly up/down. Use the following procedure to make adjustments.

⚠ CAUTION

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

It is best for a Segway Powersports dealer to adjust if conditions permit.

1. Place the vehicle on a level surface with the headlight approximately 33 ft. (10 m) from a wall.



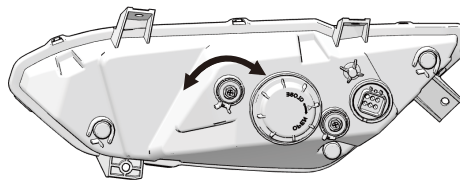
2. Measure the distance from the floor to the center of the headlights and mark the walls at the same height.

3. Apply the brakes. Start the engine. Turn on the headlights.
4. Observe the headlight aim. The most intense part of the headlight beam should be aimed 9.5”（24 cm) below the mark placed on the wall. Include the weight of a rider on the seat while performing this step.
5. If a headlight needs adjustment, locate the adjustment screw at the back of the headlight.

Adjust the headlight beam upwards and downwards

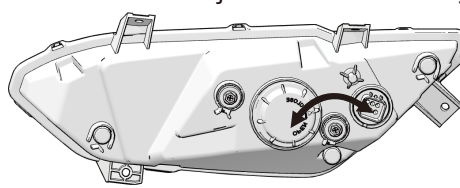
To raise the headlight beam, turn the headlight adjusting screw counterclockwise.

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



Adjust the headlight beam left and right

The headlight beam can be adjusted from left or right.



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

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

SPARK ARRESTER

Spark arrester prevents random sparks from entering other parts of the vehicle. Regular maintenance can prevent carbon accumulation, maintenance will reduce engine performance if the maintenance is not done.

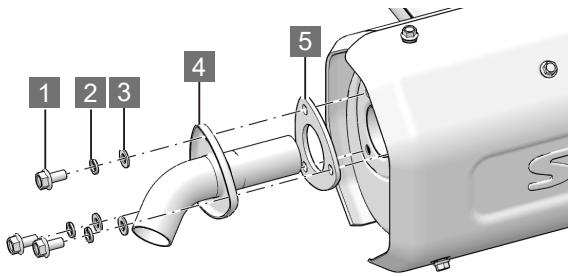
⚠ WARNING

Make sure the exhaust pipes are cool.

Ensure that there are no combustible materials in the area when maintaining the vehicle.

Safety glasses are recommended in this procedure.

The exhaust pipe must be cleaned periodically of any accumulated carbon :



1 bolt M8 × 16 (3 pieces) **2 spring washer (3 pieces)**

3 flat washer (3 pieces) **4 spark arrestor**

5 Gaskets

Let pipes completely cool down to avoid getting burned.

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

NOTICE

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

ELECTRICAL 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 P46.

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

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 a month if not in use. This will maintain the battery life cycle.

⚠ WARNING

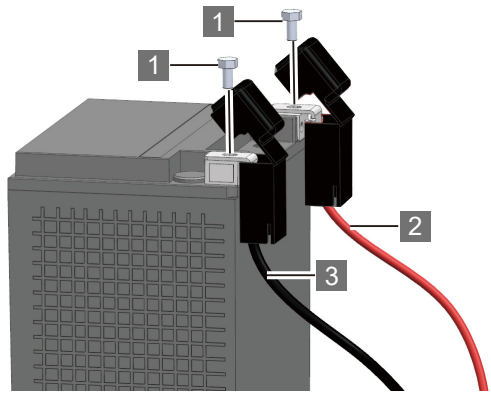
12V batteries contain toxic and corrosive sulfuric acid and may produce flammable explosive hydrogen gas.To reduce the risk of serious injury or death, the following precautions should be observed when handling 12V batteries or working near them:

- **Do not smoke or light a match near a 12V battery.**
- **Avoid splashing electrolyte on eyes, skin and clothes.**
- **Wear safety goggles when working near 12V battery.**
- **Keep children away from 12V batteries.**
- **Be sure to charge the 12V battery in an open area.Do not charge a 12V battery in a poorly ventilated garage or enclosed room.**

BATTERY REMOVAL

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 under the passenger seat in single cab vehicles and in the middle of the rear seat in crew cab vehicles, remove the seat and perform the following procedure:

Turn the power off before removing battery.

1 **Battery positive and negative pole fixing bolts (2 pcs)**

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

⚠ CAUTION

To minimize the chance of sparking: whenever removing the battery, disconnect the black (negative pole) cable first. When reinstalling the battery, install the black (negative pole) cable last.

1. Power off the vehicle.
2. Turn up the battery's positive and negative pole insulation protection rubber sleeve.
3. Remove the battery negative pole bolt and disconnect the battery black (negative pole) cable.
4. Remove the battery positive pole bolt and disconnect the battery red (positive pole) cable.
5. Remove the battery side pressure plate and battery strap.
6. Remove the battery.

BATTERY INSTALLATION

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 water and dry thoroughly.
2. Put the battery in the tray.
3. Secure the positive pole (red) cable to the battery positive pole with a bolt and put the insulation protection rubber sleeve in place.
4. Secure the negative pole (black) cable to the battery negative pole with a bolt and put the insulation protection rubber sleeve in place.
5. Return the battery side and top pressure plates to their positions, install the battery pull straps and secure the battery.
6. Verify that cables are properly wired.

BATTERY CHARGING

NOTICE

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

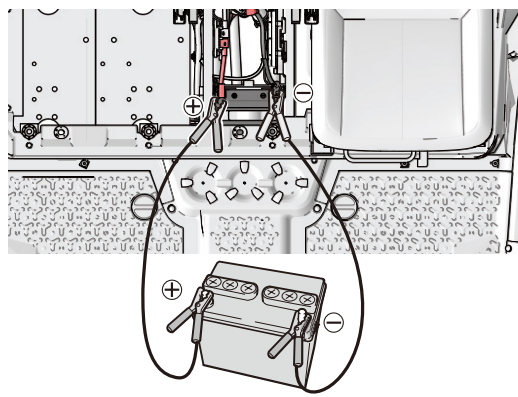
If charging the 12V battery is still installed in the vehicle, be sure to disconnect the ground cable.

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 not 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.



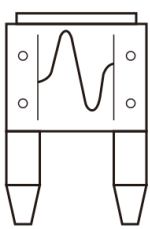
FUSE

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

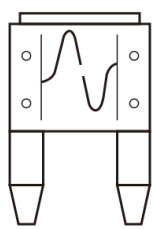
If any of the electrical parts do not work, the fuse may have blown. If this happens, check and replace the fuse if necessary. You can consider electrical faults, first check whether the fuse needs to be replaced, if it is found to have blown, replace the blown fuse. There is a spare fuse in the fuse box. Check all fuses for other possible causes. Replace all blown fuses and check the working condition of components. All fuses are concentrated 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.**



Normal fuse



Blow fuse

FUSE BOX

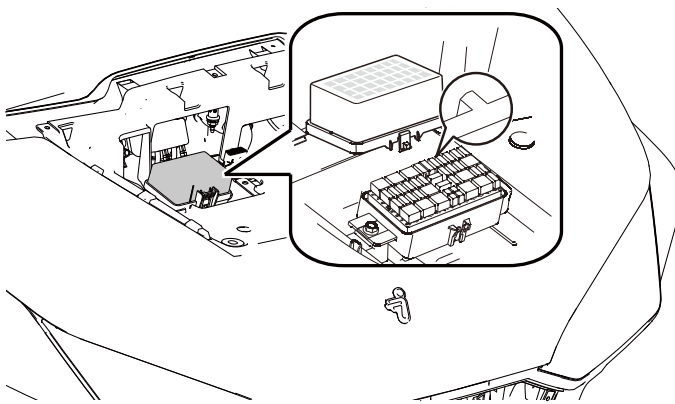
The fuse box is located at the front of the vehicle under the access panel. Remove the front panel repair cover as shown in page 60.

After the front panel repair cover has been removed, the fuse box is located at the bottom. Move the clasp on the left and right sides of the fuse box cover. Loosen the clasp and open the fuse box.

NOTICE

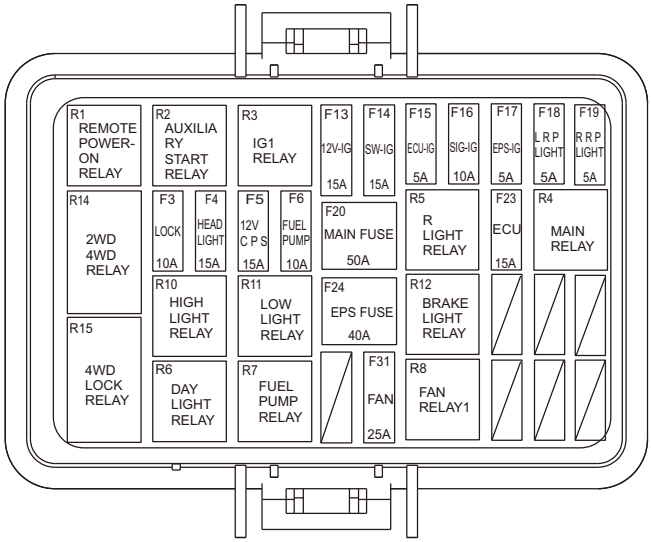
The fuse box cover has a limited slot, so please pay attention to the installation direction when installing.

Vehicle models vary and the location and specifications of all insurance features within the combination insurance are subject to the physical product (subject to minor variations).



FUSE/RELAY DISTRIBUTION AND RATED AMPERAGE

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



Rated amperage of fuse/relay and distribution

No.	Fuse/Relay	Power
F3	Ignition lock constant power fuse	10A
F4	Headlamp fuse	15A
F5	Instrument cluster/OBD/ECU/Central Display/TBOX	15A
F6	Fuel pump fuse	10A
F13	12V Outlet/Trailer Power Supply	15A
F14	Lamp/Brake/2-4WD switch fuse	15A
F15	ECU fuse	5A
F16	Ignition lock-instrument cluster/Central display/ TBOX/Vehicle speed	10A
F17	Ignition lock-EPS fuse	5A
F18	L R P Light	5A
F19	R R P Light	5A
F20	Main fuse	50A
F23	ECU Non-Constant Fuse	15A
F24	EPS fuse	40A
F31	Fan fuse	25A
R1	Remote power-on relay	12V 20A
R2	Auxiliary start relay	12V 20A
R3	IG1 relay	12V 20A
R4	Main relay	12V 20A
R5	Reverse Light relay	12V 20A
R6	Day light relay	12V 20A
R7	Fuel pump relay	12V 20A
R8	Electric fan relay 1	12V 20A
R10	High beam relay	12V 20A
R11	Low beam relay	12V 20A
R12	Brake light relay	12V 20A
R14	2-4WD relay	12V 20A
R15	4WD lock relay	12V 20A

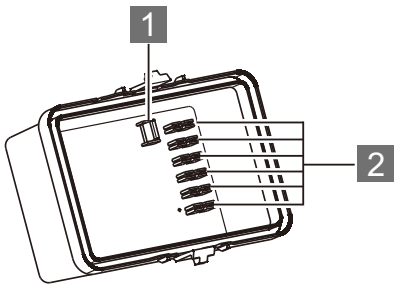
FUSE BOX REPLACEMENT

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

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. It is recommended that after the vehicle has been cleaned, an air-blow gun can be used to blow dry the water stains on the electronic components, connector assemblies, and electrical parts before starting the vehicle, otherwise it may result in a short-circuit malfunction of the vehicle.
7. 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.

Avoid the following components when washing:

- Wheel bearingsRadiator
- Transmission seals
- Cab and body panels
- Electrical components
- Switches and controls
- Fuel system components
- Labels and decals

If an informational or graphic label becomes illegible or comes off, contact your dealer to purchase a replacement.

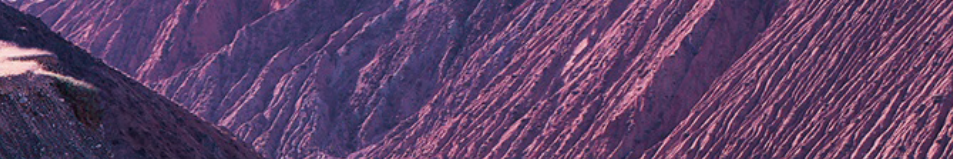
VEHICLE STORAGE

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 conditions, covered outdoor storage is recommended.

TRANSPORTING THE VEHICLE

Follow these procedures when transporting the vehicle.

1. Stop the engine
2. Place the transmission in PARK
3. Apply the parking brake
4. Secure the fuel tank and fuel cap.
5. Always securely attach the vehicle's frame to the transportation equipment with suitable straps or ropes.
6. Remove the key to prevent accidents during transportation.



SPECIFICATIONS

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THE FRAME NAMEPLATE 149

TECHNICAL PARAMETERS OF VEHICLE

ITEM		PARAMETERS
VEHICLE		
Length×width×height		3050mm× 1600 mm× 1950mm
Wheelbase		2110 mm
Front axle track		1350 mm
Rear axle track		1320 mm
Curb weight		772 kg
Ground clearance		320 mm
Turning circle diameter		9000±500 mm
Height of seat		500 mm
Steering wheel diameter		350 mm
Maximum weight capacity		497 kg
Maximum cargo load		272 kg
Axle load (Curb weight)	Front(kg)	353 kg
	Rear(kg)	419 kg
Axle load (Full load weight)	Front(kg)	456 kg
	Rear(kg)	757 kg
EPS type		Electric
Air filter type		Paper filter type
Muffler type		Impedance
Shift operation mode		Mechanical
Tank		43 L
Fuels(Gasoline Unleaded)		Petrol(E10) / 87#(US) / 92 #(GB)
Coolant capacity		4800 mL

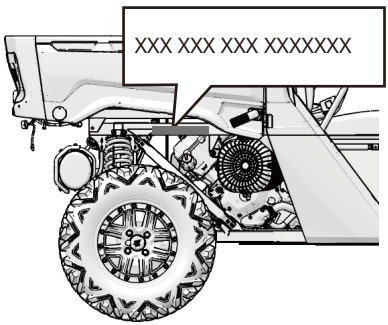
ITEM		PARAMETERS
ENGINE		
Engine type		Reciprocating (Otto Cycle)
Engine model		199MS-1
Displacement		567 cm^3
Compression ratio		10.7±0.5:1
Bore×Stroke		99 mm×73.6 mm
Rated Power (kW)		32 kW
RPM@ Rated Power		7000 r/min
Rated Torque (nt-m)		50 N.m
RPM@ Rated Torque		4500 r/min
Idle speed		1250±125 r/min
Starting method		Electric start
Ignition type		EFI
Spark plug type		NGK CPR7EA /TORCH B7RTC
Spark plug clearance		0.6-0.9 mm
Lubrication method		Pressure splash
Cooling method		Liquid
Lubricating oil	Engine	SAE 10W/40 SJ or higher
	Rear Axle	SAE 80W-90 GL-5
	Front Axle	SAE 80W-90 GL-5
Lubricating oil volume	Engine	2200 mL
	Rear Axle	200mL (No differential) 240mL (With differential)
	Front Axle	260 mL
CVT transmission ratio		0.61~2.97
Generator power		580W

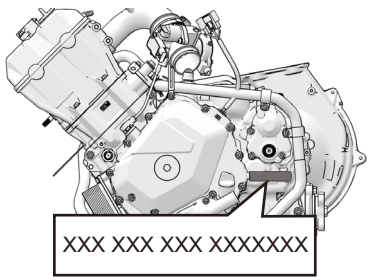
ITEM		PARAMETERS		
TIRE/BRAKE				
Tire type (Specification)	Fr. Wheel	27×9.00-14	27×9.00R14	30×10.00R14
	Rr. Wheel	27×11.00-14	27×11.00R14	30×10.00R14
Tire pressure	Fr. Wheel	10.0 PSI. (70 Kpa)		
	Rr. Wheel	16.0 PSI. (110 Kpa)		
Rim type (Specification)	Fr. Wheel	Aluminum rim（14×6.5 AT）or Steel rim（14×6.0 AT）		
	Rr. Wheel	Aluminum rim（14×7.0 AT）or Steel rim（14×7.5 AT）		
Driving brake	Type	Hydraulic/Disc		
	Operation method	Right feet		
Parking brake	Type	Mechanic		
	Operation method	Hand		
SUSPENSION				
Fr. Suspension stroke		230 mm		
Rr. Suspension stroke		265 mm		
Suspension type	Fr.	Double-wishbone independent Suspension		
	Rr.	Double-wishbone independent suspension		
Shock absorber	Fr.	Hydraulic spring		
	Rr.	Hydraulic spring		
ELCTRIC				
Headlight	Headlight	55W×2（H4）		
	Fr. Position light	LED×7/0.5W		
	Daytime Running Light	LED×21/4.2W		
	Front turn signal light	Amber /LED×1/4.8W		

ITEM		PARAMETERS
Tail light	Rr.Brake light	Red 21W (P21/5W)
	Rr. Position light	Red 5W（P21/5W）
	Rear turn signal light	Amber 10W（RY10W）
License plate light		White / 5W/5W / LED
Battery（Capacity）		Maintenance free lead acid（12V 32Ah）
Dashboard		TFT color screen (black and white LCD meter) / Segment code screen, optional
Winch		4500 lb/m

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.



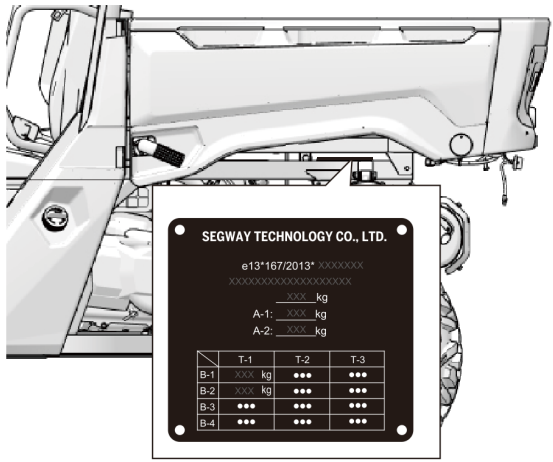


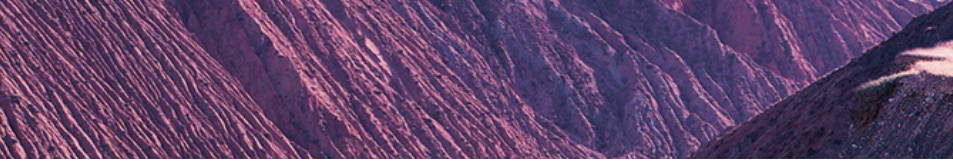
FRAME IDENTIFICATION CODE	

ENGINE SERIAL CODE	

THE FRAME NAMEPLATE

The nameplate shows the basic characteristics information which include VIN code. It needs the VIN when the vehicle requires activate in the first time.





TROUBLESHOOTING

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With all the challenges you cna 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 vehicle onto a pickup or tall trailer in high range	Shift transmission to low range during loading of the vehicle to prevent belt burning
Starting out going up a steep incline	When starting out on an incline, use low range
Driving at low RPM or low ground speed (at approximately 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 vehicle 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，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.
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
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs

ENGINE STOPS OR LOSES POWER

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

ENGINE TURNS OVER, FAILS TO START

Possible Cause	Solution
Out of Fuel	Refuel
Clogged fuel valve or filter	Inspect and clean or replace
Water is present in fuel	Drain the fuel system and refuel
Fuel valve is out of use	Replace

Old or non-recommended fuel	Replace with new fuel
Fouled or defective spark plug(s)	Inspect plug(s), replace if necessary
No spark to spark plug	Inspect plug(s), verify stop switch is on
Crankcase filled with water or fuel	Immediately see your dealer
Overuse of choke	Inspect, clean and/or replace spark plugs
Clogged fuel injector	Clean or replace new fuel injector
Low battery voltage	Recharge battery to 12.5 VDC
Mechanical failure	See your dealer

ENGINE BACKFIRES

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

ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

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

ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

Possible Cause	Solution
Kinked or plugged fuel vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer
Possible Lean or Rich Fuel Mixture Cause	Solution
Low or contaminated fuel	Add or change fuel, clean the fuel system

Low octane fuel	Replace with recommended fuel
Clogged fuel filter	Replace filter
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	
P000262	Cylinder 1 Injector Circuit High
P000261	Cylinder 1 Injector Circuit Low
P000201	Injector Circuit/Open – Cylinder 1
P000629	Fuel Pump "A" Control Circuit High
P000628	Fuel Pump "A" Control Circuit Low
P000627	Fuel Pump "A" Control Circuit /Open
P000511	Stepper motor open circuit or unreasonable
P000509	Stepper motor short circuit to 12V power supply
P000508	Stepper motor short circuit to ground
P002300	Ignition coil short circuit to ground fault
P000108	Manifold Absolute Pressure/ Barometric Pressure Circuit High
P000107	Manifold Absolute Pressure/ Barometric Pressure Circuit Low
P000322	Ign./Distributor Eng.Speed Inp.Circ. No Signal
P000113	Intake Air Temperature Sensor 1 Circuit Low
P000112	Intake Air Temperature Sensor 1 Circuit High
P000118	Engine Coolant Temperature Sensor 1 Circuit Low
P000117	Engine Coolant Temperature Sensor 1 Circuit High
P000563	System Voltage High
P000562	System Voltage Low
P000560	System Voltage Not plausible
P000501	Vehicle Speed Sensor "A" Range/Performance
P000123	Throttle position sensor High Voltage
P000122	Throttle position sensor Low Voltage

Failure Code	Failure Description
P000032	O2 Sensor Heater Control Circuit High Bank 1 Sensor 1
P000031	O2 Sensor Heater Control Circuit Low Bank 1 Sensor 1
P000030	O2 Sensor Heater Control Circuit Bank 1 Sensor 1
P000132	O2 Sensor Circuit High Voltage Bank 1 Sensor 1
P000131	O2 Sensor Circuit Low Voltage Bank 1 Sensor 1
P013000	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 1
P000134	O2 Sensor Circuit Bank 1 Sensor 1
P000692	Fan 1 Control Circuit High
P000691	Fan 1 Control Circuit Low
P000480	Fan 1 Control Circuit
P000459	Evaporative Emission System Purge Control Valve Circuit High
P000458	Evaporative Emission System Purge Control Valve Circuit Low
P000444	Evaporative Emission System Purge Control Valve Circuit Open
EPS	
E0001	No midpoint of torque is written
E0002	No end point of rotor angle is written
E0003	Memory read write failure
E0004	The main torque sensor is disconnected
E0005	Abnormal output of main torque sensor
E0006	The secondary torque sensor is disconnected
E0007	Abnormal output of secondary torque sensor
E0008	The difference between main and secondary torques is too large
E0009	The difference between the main torque before and after amplification is too large
E0010	Electrical machinery unassisted
E0011	Over electric current
E0012	Abnormal busbar electric current

Failure Code	Failure Description
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
ABS	
A0001	ECU Voltage:too high
A0002	ECU Voltage:too low
A0003	"Wheel-speed sensor, front left: Signal Line short to GND/Open; Supply Line open"
A0004	Wheel-speed sensor, front left: (signal failure) out of range, jitter, Intermittent
A0005	Wheel-speed sensor, front left:No signal

Failure Code	Failure Description
A0006	"Wheel-speed sensor, front right: Signal Line short to GND/Open; Supply Line open"
A0007	Wheel-speed sensor, front right: (signal failure) out of range, jitter, Intermittent
A0008	Wheel-speed sensor, front right: No signal from wheel speed sensor
A0009	"Wheel-speed sensor, rear left: Signal Line short to GND/Open; Supply Line open"
A0010	Wheel-speed sensor, rear left: (signal failure) out of range, jitter, Intermittent
A0011	Wheel-speed sensor, rear left: No signal from wheel speed sensor
A0012	"Wheel-speed sensor, rear right: Signal Line short to GND/Open; Supply Line open"
A0013	Wheel-speed sensor, rear right: (signal failure) out of range, jitter, Intermittent
A0014	Wheel-speed sensor, rear right: No signal from wheel speed sensor
A0015	Wheel-speed sensor generic error (General error of wheel speed sensor (frequency error, gear number error, tire error)
A0016	Valve relay error
A0017	valve fault, inlet valve FL
A0018	valve fault, outlet valve FL
A0019	valve fault, inlet valve FR
A0020	valve fault, outlet valve FR
A0021	valve fault, inlet valve RL
A0022	valve fault, outlet valve RL
A0023	valve fault, inlet valve RR

Failure Code	Failure Description
A0024	valve fault, outlet valve RR
A0025	valve fault(overheating,overcurrent,short circuit,signal error,hadware error)
A0026	Motor error
A0027	Motor relay error
A0028	ECU error (hardware error)
A0029	CAN hardware error
A0030	CAN Bus Off error
A0031	ABS control anomalies failure
A0032	Variant Coding Error



EMISSION CONTROL SYSTEM

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CRANKCASE EMISSION CONTROL SYSTEM 163
NOISE CONTROL SYSTEM.....163

SOURCE OF EXHAUST EMISSIONS

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

EXHAUST EMISSION CONTROL SYSTEM

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

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

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

CRANKCASE EMISSION CONTROL SYSTEM

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

NOISE CONTROL SYSTEM

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

Declaration of Driver's exposure to noise level

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

Hereby declares that:
For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY
1.2. Type: SGW570F-U3
1.2.1. Variant(s): SGW570F-U3

1.2.2. Version(s): A,B

1.2.3. Commercial name(s) (if available):
SEGWAY UT6, SEGWAY FUGLEMAN UT6, SEGWAY UT6 STANDARD, SEGWAY UT6 PREMIUM、SEGWAY UT6 S、SEGWAY UT6 P

1.3. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW570F-U3/A: T1a
Variant/Version: SGW570F-U3/B: T1b
The Driver's exposure to noise level result is
Variant/Version: SGW570F-U3/A: 86.0 dB(A)
SGW570F-U3/B: 86.0 dB(A)
(Limit: 86 dB(A)) according to test method 2 in accordance with :section 3 of Annex XIII to EU 1322/2014.

Place: Changzhou, China Date: 20/03/2026

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

Declaration of Vibration declaration

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

Hereby declares that:
For the following vehicle:

1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW570F-U3
1.5.1. Variant(s): SGW570F-U3
1.5.2. Version(s): A,B
1.5.3. Commercial name(s) (if available):

SEGWAY UT6, SEGWAY FUGLEMAN UT6, SEGWAY UT6 STANDARD, SEGWAY UT6 PREMIUM、SEGWAY UT6 S、SEGWAY UT6 P

1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW570F-U3/A: T1a
Variant/Version: SGW570F-U3/B: T1b

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

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{Wb}	Requirement	
59±1kg	Test run 1	0.49	1.37		Deviation<10% between test run 1/2 and Arithmetic mean, a_{ws}<1.25 m/s^2	Test passed
	Test run 2	0.50	1.37			
	Arithmetic mean	0.50	1.37	0.36		
98±5kg	Test run 1	0.44	1.37			
	Test run 2	0.44	1.38			
	Arithmetic mean	0.44	1.38	0.32		

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

Place: Changzhou, China Date: 20/03/2026

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

Declaration of Driver's exposure to noise level

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

Hereby declares that:
For the following vehicle:

1.1. Make (trade name of the manufacturer): SEGWAY
1.2. Type: SGW570F-U4
1.2.1. Variant(s): SGW570F-U4

1.2.2. Version(s): C

1.2.3. Commercial name(s) (if available):
SEGWAY UT6 ABS, SEGWAY FUGLEMAN UT6 ABS, SEGWAY UT6 STANDARD ABS, SEGWAY UT6 PREMIUM ABS、SEGWAY UT6 S ABS、SEGWAY UT6 P ABS

1.3. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW570F-U4/C: T1b

The Driver's exposure to noise level result is
Variant/Version: SGW570F-U4/C: 85.0 dB(A)

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

Place: Changzhou, China Date: 20/03/2026

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

Declaration of Vibration declaration

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

Hereby declares that:
For the following vehicle:

1.4. Make (trade name of the manufacturer): SEGWAY
1.5. Type: SGW570F-U4
1.5.1. Variant(s): SGW570F-U4
1.5.2. Version(s): C
1.5.3. Commercial name(s) (if available):

SEGWAY UT6 ABS, SEGWAY FUGLEMAN UT6 ABS, SEGWAY UT6 STANDARD ABS, SEGWAY UT6 PREMIUM ABS、SEGWAY UT6 S ABS、SEGWAY UT6 P ABS

1.6. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW570F-U4/C: T1b

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

Driver mass	Test run	a_{wS} m/s^2	a_{wB} m/s^2	a_{wS}/a_{Wb}	Requirement	
59±1kg	Test run 1	0.49	1.37		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s^2	Test passed
	Test run 2	0.50	1.37			
	Arithmetic mean	0.50	1.37	0.36		
98±5kg	Test run 1	0.44	1.37			
	Test run 2	0.44	1.38			
	Arithmetic mean	0.44	1.38	0.32		

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

Place: Changzhou, China Date: 20/03/2026

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



WARRANTY

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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