SEGWAY

# ⚠ WARNING

## Improper Use of This Off-Highway Vehicle Can Cause Severe Injury or Death

**Be Prepared**

- Fasten seat belts and make sure nets or doors are securely latched in place.
- 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.



**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.
- Do not allow operation on public roads (unless designated for off-highway vehicle access) – collisions with cars and trucks can occur.
- Do not exceed seating capacity: 1 passenger.




**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.

**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, rough terrain, ruts, and other changes in traction and terrain. Avoid paved surfaces.
- Avoid side hilling (riding across slopes).



**Rollovers have caused severe injuries and death, even on flat, open areas.**

**Read and understand all safety labels, locate and read owner's manual.**

For your nearest Segway dealer, call 1-877-628-0202
or visit www.segwaypowersports.us

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

Part No. : S11-L200002-LEN-02
Vision : 20260615 V1.0

SEGWAY




# OWNER'S MANUAL

## SUPER VILLAIN SX20T

Read this manual carefully. It contains important safety information and safe operating instructions, and should be kept with the vehicle at all times.
This is an adult vehicle only. Operation is prohibited for those under 16 years of age.

**⚠ WARNING**

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

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

## CALIFORNIA PROPOSITION 65 WARNING

**⚠ WARNING**

**Operating, servicing, and maintaining a passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine expect as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.**

**For more information go to www.P65Warnings.ca.gov/passenger-vehicle.**

# WELCOME

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

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

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

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

Segway Mobility App

# IMPORTANT NOTICE

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

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

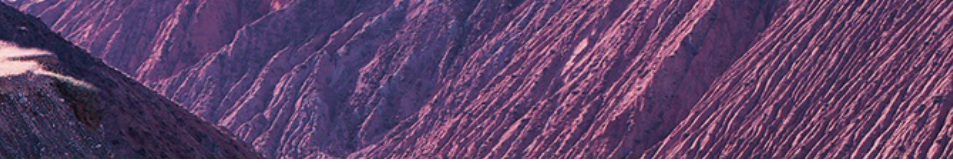
This manual describes all equipment including optional components. Therefore, some of the optional equipment described in the manual may be not installed on your vehicle.

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

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



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# PRE-RIDE INFORMATION

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

**⚠ WARNING**

Failure to follow the warnings and safety precautions contained in this manual will result in serious injury or death. The Segway is not a toy and can be dangerous to operate. This vehicle does not handle like a car, truck, or SUV. A crash or rollover can happen quickly if you do not take proper precautions, even during routine maneuvers such as turning, driving up a hill, or negotiating an obstacle.

- Read the owner's manual that came with the vehicle.
- Understand all safety warnings, precautions, and operating procedures before operating the vehicle.
- Keep this manual with you in the vehicle.
- Never operate this vehicle without proper instruction.
- Attend an authorized training course, see the Safety Training section for more information.
- This vehicle is for adults only, you must be 16 years of age or older and have a valid driver's license to operate this vehicle.
- Always use the driving net (or doors) when riding in this vehicle, and keep your hands, feet, and all other body parts inside the vehicle at all times.
- Always wear a helmet, eye protection, gloves, long-sleeved shirts, long pants, and over-the-ankle boots.

- Never operate this vehicle while under the influence of drugs or alcohol, as these conditions can impair judgment and reduce the operator's ability to react.
- Complete the New Operator Driving Procedure outlined in this manual, and never allow a guest to operate the vehicle until the guest has completed the New Operator Driving Procedure.
- Do not allow a guest to operate the vehicle unless the guest has completed safety training, reviewed the owner's manual, and all safety tags.

# 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.**

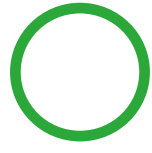
***NOTICE***

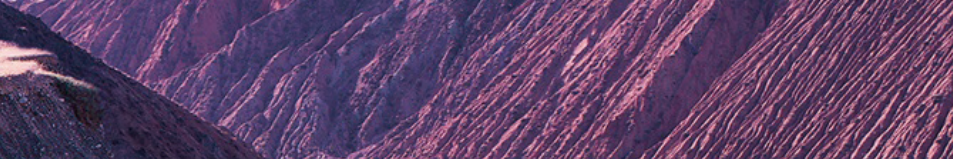
**NOTICE is used to address practices not related to personal injury.**

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 could result in serious injury or death.

Improper operation of ORV can be dangerous. ORV are operated differently from other vehicles, such as motorcycles and cars. If proper precautions are not taken, a crash or rollover may occur even during normal operation, such as turning, climbing a hill, or negotiating an obstacle

Before operating the vehicle, understand all safety warnings, precautions and operating procedures. Keep this manual with you.

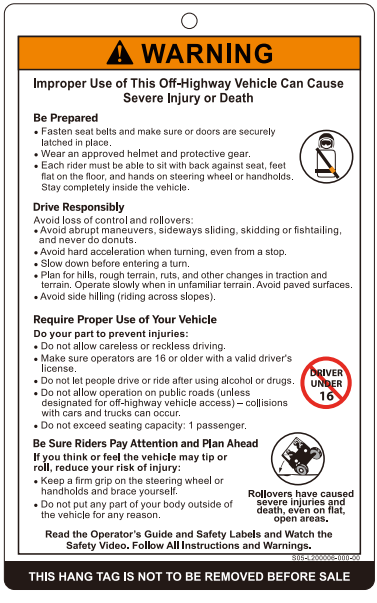
# IMPORTANT ON-PRODUCT LABELS

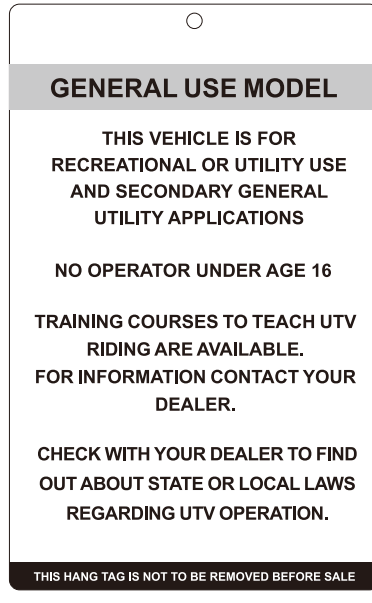
This vehicle comes with a hang tag and labels containing important safety information.

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

## HANG TAG

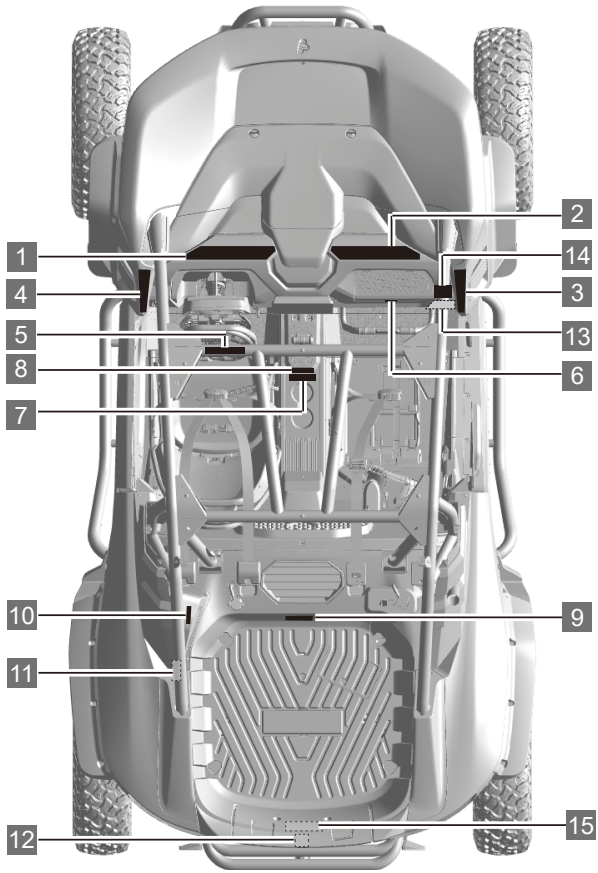
This hang tag is not to be removed before sale.



## WARNING LABELS

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



1


WARNING
Improper Use of This Off-Highway Vehicle Can Cause Severe Injury or Death
Be Prepared
• Fasten seat belts.
• Wear an approved helmet and protective gear.
• Make sure doors are securely latched in place.
• 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, operator's manual, and Follow All Instruction and Warnings.
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, rough terrain, ruts, and other changes in traction and terrain. Operate slowly when in unfamiliar terrain. Avoid paved surfaces.
• Avoid side hilling (riding across slopes).
ROLLOVERS MAY 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.
• Do not allow operation on public roads (unless designated for off-highway vehicle access) – collisions with cars and trucks can occur.
• Do not exceed seating capacity: 1 passenger.
DRIVER UNDER 16

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.
S11-L110002-LEN-00

3


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.
S11-L110003-LEN-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.
S11-L110004-LEN-00

5

**The rollover protection device (ROPS) of the vehicle meets ISO 3471: 2008 rollover performance.**

S11-L110017-LEN-00

6

**⚠ CAUTION**

Storage compartment
Maximum load: **11 lbs (5 kg)**

S11-L110006-LEN-00

7

**⚠ WARNING**

Turning in 4WD - Lock (Front Diff.Lock) requires more steering effort. Allow more room to turn.

P

Select park mode (P) before exiting vehicle. The vehicle can roll if not in PARK. To enable park mode, apply brake and press pushbutton (P)

S11-L110013-LEN-00

8

***NOTICE***

To avoid damage to the transmission parts, before towing the vehicle, power on and start the engine, change the gear in neutral (N), or put the transmission in neutral (N)with the vehicle tool.

S11-L110014-LEN-00

**NOTICE:** Towing is only used when the vehicle is out of distress. To transport this vehicle, please use a flatbed trailer, ensure that all 4 wheels are on the trailer, and secure the vehicle.

9

**⚠ 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: 22.0 psi (150 kPa)  Rear: 22.0 psi (150 kPa)**
- **MAXIMUM WEIGHT CAPACITY** ( INCLUDES WEIGHT OF OPERATOR PASSENGERS CARGO AND ACCESSORIES ) **: 740 lbs. (336 kg)**
- **MAXIMUM CARGO BOX LOAD: 300 lbs. (136 kg)**



**NEVER** carry passengers in cargo box.

- Passengers can be thrown off. This can cause serious injury or death.
- 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.



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



**NEVER** attach to the cab frame to pull a load. This can cause the vehicle to tip over.

S11-L110016-LEN-00

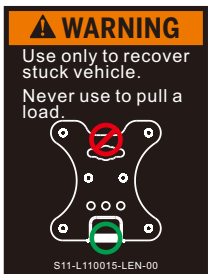
10




11




12

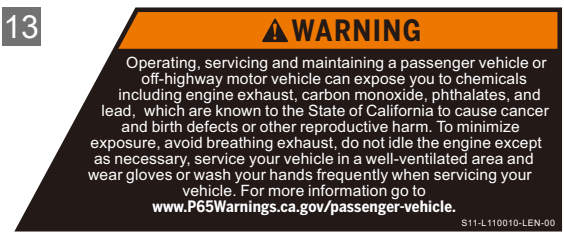



14




FOR CANADA

13




**CALIFORNIA**

15



# 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.
- 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.
- When the transmission has high oil temperature (oil temperature warning light on, insufficient power) on mountain roads, slopes, or under heavy loads, the driver needs to stop the vehicle to cool it down and go to a dealer shop for inspection and repair as soon as possible.
- 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




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




The minimum recommended driving age for this vehicle is 16 years. Children under the age of 16 must not drive this vehicle. Never 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.

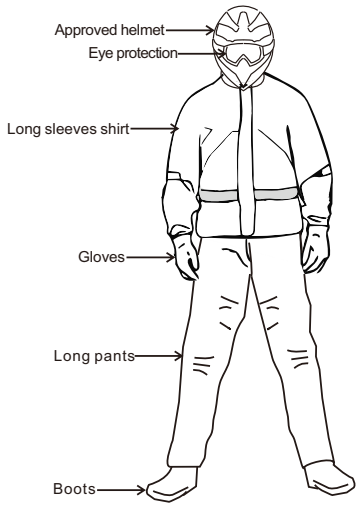
## RIDING EQUIPMENT

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.




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

Off-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.

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

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



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



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 74. 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. You cannot carry more than one passenger in a two-seater vehicle.

## CONTACT EXHAUST



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 outdoor or in a well-ventilated place.

## 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.

## SAFETY BELT



Driving without a safety belt increases the risk of rolling over, losing control, other accidents, or serious injury during a sudden stop. In such cases, seat belts reduce the severity of injuries and all drivers must wear them at all times.

## CAB DOOR



Driving in this vehicle without closing and locking the cab door increases the risk of serious injury or death in the event of an accident or a rollover. Always ensure that all cab doors are closed and locked while the vehicle is in operation. The cab door should not be used as a handrail. Always keep hands and feet in the car

## LOADING 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 your own safety. Vehicle loading and how to operate the vehicle safely. 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:**

| conditions： | steps： |
|---|---|
| Passengers and/or cargo exceeding half of the maximum weight capacity | 1. Driving slowly.<br>2. Confirm tire pressure.<br>3. Be very careful when operating. |
| Operate over rough terrain | |
| Climb over obstacles | |
| Climbing | |
| Traction | |

## PASSENGERS IN THE CARGO COMPARTMENT

Loading passengers in the cargo compartment may cause the vehicle to fall or crash, which may result in passenger injury or more serious accidents. Never allow passengers to sit in the cargo compartment. Passengers must sit in the passenger seat with the seat belt secured.



## OPERATING ON PAVEMENT

The vehicle's tires are designed for off-road use, not for road use. Operating the vehicle on paved surfaces (including pavements, footpaths, car parks and lanes) may adversely affect the handling of the vehicle and may increase the risk of loss of control and an accident or rollover. Avoid operating vehicles on the road. If it is unavoidable, drive slowly to avoid swerving or stopping.

## TRANSMISSION HEATING

When the transmission has high oil temperature (oil temperature warning light on, insufficient power) on mountain roads, slopes, or under heavy loads, the driver needs to stop the vehicle to cool it down and go to a dealer shop for inspection and repair as soon as possible.

## BRAKE SYSTEM HEATING

After continuous braking, the brake disc may overheat. Allow the brake disc to cool before use. Never touch an overheated brake disc as this may burn your skin.

## PUBLIC ROAD OPERATION

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

Do not operate this vehicle on any public street, road or highway, including dirt and gravel roads (unless designated for off-road use).

## OVERSPEED

Running the vehicle at excessive speed increases the risk loss of control. Always operate at a speed suitable for the terrain, visibility and operating conditions, skills and experience.

## TURNING

Improper steering can result in loss of traction, loss of control, accidents, or cartwheels. Correct procedures must be followed as described in this manual. Avoid sharp turns. Don't turn when using a heavy throttle. Don't make a sudden turn. Practice turning at lower speeds before trying to turn faster。

## JUMPING 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.

## INCORRECT MOUNTAIN CLIMBING

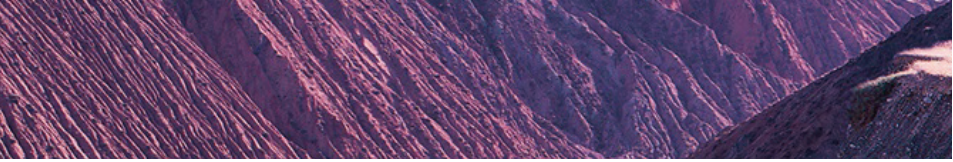
Improper climbing can lead to the danger of losing control of a vehicle or rolling over. Be extra careful when driving in the mountains. Appropriate procedures for climbing shall be followed in accordance with the methods described in this manual. See page 79.

## DOWN THE HILL

Improper downhill maneuvers can result in the loss of control or rollovers. Follow the correct descent procedure as described in this manual. See page 80.

## SIDE HILL

Driving on hills is not recommended. Improper operation may cause the vehicle to lose control or turn over. Don't go over any hill unless absolutely necessary. If crossing a hillside is inevitable, follow the appropriate procedure described in this manual. See page 80.



# VEHICLE DEVICE


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# VEHICLE DEVICE


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# VEHICLE ACTIVATION

This vehicle is equipped with a T-BOX system for you. T-BOX is used to communicate with the background system and mobile phone APP, so that you can obtain vehicle information and control vehicle functions through the mobile phone APP.

In order to help you quickly become familiar with and use the system, please read the owner's manual carefully to understand the relevant operating information.

**NOTICE**

**Vehicle is equipped with T-BOX, the new vehicle must be activated on the APP for the first time. If the activation operation is not performed, vehicle will not be able to use Internet of Vehicles.**

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 APP is successfully installed, register and activate the vehicle. First, find the VIN code on the vehicle and register on the APP. The registration procedure is as follows:

1. Power on the vehicle with the mechanical key.
2. Scan the barcode on the vehicle or manually enter the vehicle VIN code according to the APP registration prompt, and step on the vehicle brake at the same time.

**NOTICE**

**The scanning may fail due to the influence of light. You can try to enter the VIN code manually. The vehicle VIN code is on the vehicle frame or on the nameplate.**

3. lick Confirm to successfully bind.
4. Click to start using the vehicle.

## VEHICLE UNLOCK

There are three ways to unlock the vehicle:

1. **Mechanical key (preferred).**
2. **APP remote unlock switch**

APP remote unlocking is based on 4G network. As long as the area is covered by the network, you can use the remote unlocking function in the APP to unlock the vehicle. The validity period of a single mobile phone operation remote unlocking is 3 minutes. Within 3 minutes, pressing the vehicle start-stop switch will power on the vehicle. If you step on the brake and press the start-stop switch, it will power on and start the engine.

### 3. APP BLUETOOTH SENSOR UNLOCKING

When both the vehicle's Bluetooth and the phone's Bluetooth are turned on and within the effective connection distance of the Bluetooth signal, the vehicle's Bluetooth module automatically unlocks after obtaining the phone's Bluetooth signal. Press the vehicle's start-stop button to power on the vehicle. If you step on the brake and press the start-stop button, start the engine.

**NOTICE**

**After using remote unlocking or Bluetooth unlocking to power on the vehicle through the start/stop button, you must power off the vehicle by pressing the vehicle start/stop button. The vehicle cannot be powered off automatically if the remote or mobile phone is far away.**

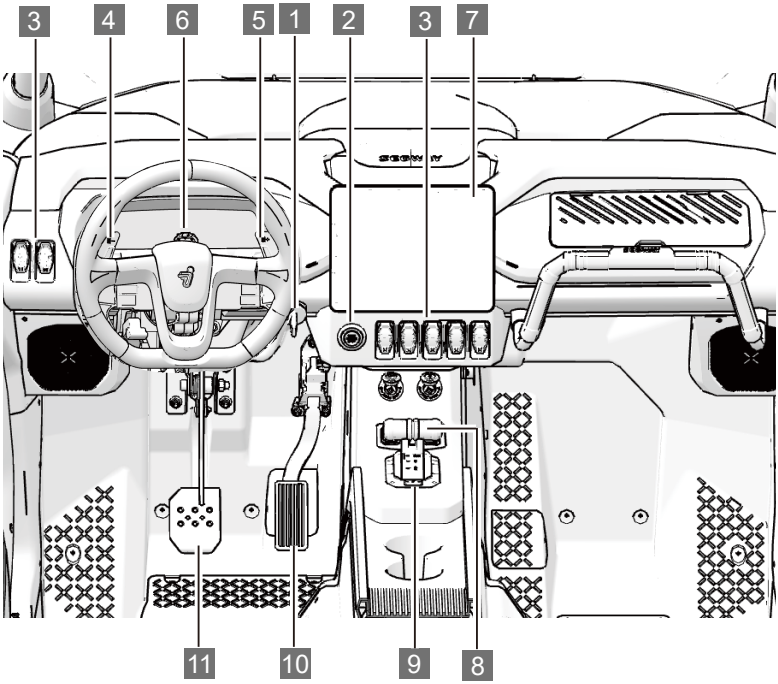
Mechanical key unlocking is the preferred unlocking method for the vehicle. If you do not want to use the induction unlocking function, you can turn off the induction unlocking setting function in the APP.

## APP FUNCTION

This APP is designed for users who own Segway off-road vehicles.

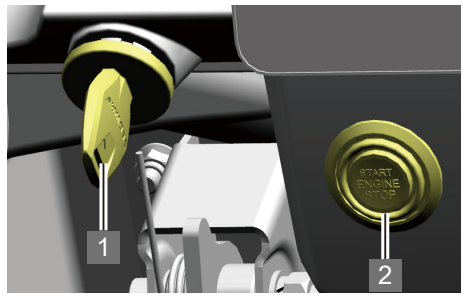
Main functions: driving control analysis, vehicle data analysis, etc.

# CONTROL PARTS




1 Ignition lock
2 Start/Stop Button
3 Switch button
4 Downshift lever
5 Upshift lever
6 Instuctment panel
7 Central control screen
8 Gear lever
9 Parking button
10 Accelerator pedal
11 Brake pedal

# IGNITION LOCK/START-STOP BUTTON




## 1 IGNITION LOCK

The key is turned to the "ON" position: the vehicle is powered on and the vehicle electrical parts can be used.

The key is turned to the "OFF" position: the vehicle circuit is disconnected and the engine is stopped. When the switch is in the off position, the key can be removed from the switch.

## 2 START/STOP BUTTON （START/STOP）

**Start the engine**

Turn the key to the "ON" position of the ignition lock switch, when the gear is in (N) or (P), step on the brake pedal and press the "Start/ Stop Button" to start the engine.

**⚠ CAUTION**

**If the engine fails to start, try again after 30 seconds, otherwise the starter may be damaged.**

**Engine stall**

When the engine is running and the vehicle speed is less than or equal to 5km/h, press the "Start Stop Button" to stop the engine.

Emergency engine shutdown: When the engine is running and the vehicle speed is greater than 5km/h, press the "Start Stop Button" for more than 3s to stop the engine.



## HIGH AND LOW BEAM SWITCH

This switch is used to select low beam or high beam of the headlights.

Press the button all the way up to turn on the high beam.

Press the button all the way down to turn on the low beam.



## HORN SWITCH

To activate the horn, press the switch.



## TURN SIGNAL SWITCH (IF EQUIPPED)

⇦ Press the switch to this position and the left turn signal is on. The corresponding icon on the meter is lit at this time.

⇨ Press the switch to this position and the right turn signal is on. The corresponding icon on the meter is lit at this time.

- Turn off the turn signal in the middle.




## EPS MODE SWITCH

The power steering device (EPS) can provide the driver with easy steering assistance. Press the EPS mode switch down to switch between the three modes of the EPS system. Each press of the mode switch will switch the EPS mode in turn, and the instrument will have the corresponding EPS mode display:

- Standard mode. The instrument shows "M" in this mode.

- Comfort mode, light steering. The instrument shows "H" in this mode.

- Sport mode, heavy steering. The instrument shows "L" in this mode.




## DRIVE MODE SWITCH

The driving mode switch can be used to select the vehicle's driving mode. There are three driving modes to choose from. Each time the mode is pressed, it switches in sequence. The instrument displays the current driving mode and switches to the UI or color of the current driving mode. The ambient light module switches to the ambient light color in the current mode:

- Standard mode: This mode provides maximum comfort, and the instrument displays "NORMAL".

- Racing mode: This mode provides more flexible throttle response, and the engine always maintains high power output. The instrument displays "RACE".

- Climbing mode: This mode provides maximum traction and low-speed performance, and the instrument displays "CLIMB".

**NOTICE**

**This mode can only be switched in N gear, P gear, D1/M1, D2/M2)**




## OVERRIDE

The override switch is used for the following functions:

Bypass the engine speed limiter to enable maximum engine torque when the vehicle is in 4WD lock mode. (Remove the 24KM/h maximum speed limit when 4WD is locked)

**⚠ WARNING**

**Use Power override only if the vehicle is stuck in mud or other soft terrain where there is insufficient force to get out. Make sure the area is safe before using Power override. Never use Power override during normal driving. This can result in excessive speed.**



## 2WD AND 4WD SWITCH

Your vehicle is equipped with a 2WD/4WD switch, which allows selection between 2WD and 4WD driving modes, you can choose the driving mode that suits your riding.

**⚠ CAUTION**

**The vehicle must be stopped to engage or release the 2WD/4WD switch.**

### TWO-WHEEL DRIVE MODE

Switch the key switch to " ", and the two-wheel drive symbol " " will be displayed on the instrument. At this time, in the two-wheel drive mode, the vehicle is only rear-wheel driven, and there is no power output to the front wheels.

### FOUR-WHEEL DRIVE MODE

Switch the key switch to " ", and the four-wheel drive symbol " " will be displayed on the instrument. At this time, it is working in four-wheel drive state, with power output to the front wheels and power output to the rear wheels. This mode is suitable for bad roads such as muddy and mountainous areas.

### FOUR-WHEEL DRIVE LOCK MODE

Switch the key switch to " ", and the four-wheel drive lock symbol " " will be displayed on the instrument. At this time, it is working in the four-wheel drive lock state, with power output to the front wheels and rear wheels, and the left and right tires of the front wheels output the same speed and power. In the four-wheel drive lock state, the vehicle will be in a speed limit state, and the speed will not exceed 24km/h. This mode is only suitable for vehicle escape (the speed limit can be lifted while pressing the boost switch).

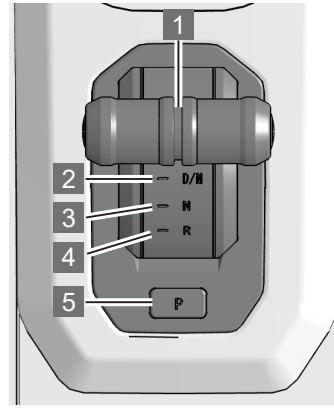
**⚠ WARNING**

**In 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 LEVER/PARKING BUTTON

The shift handle is located on the lower console.

The shift lever is used to change the position of the gearbox.




1 **Shift lever**

2 **M Manual mode / D Automatic mode**

3 **N Neutral** 4 **R Reverse gear**

5 **Parking**

When changing gears, hold the shift handle firmly and move it forward or backward to the corresponding gear position.

**"D" AUTOMATIC MODE (FORWARD)**

The engine automatically selects the gearbox gear according to the vehicle speed and throttle signal

**"M" MANUAL MODE (FORWARD)**

After entering this gear, the driver uses the shift lever to select the appropriate gear.

**"N" NEUTRAL**

The gearbox can be released in the neutral position.

**"R" REVERSE GEAR**

The reverse position enables the vehicle to move backwards.

***NOTICE***

**When reversing, the engine speed is limited, thus limiting the vehicle's reversing speed.**
**If reversing downhill, gravity can increase the vehicle's speed beyond the set reversing speed limit.**

### "P" PARKING GEAR

The Parking gear locks the gearbox to prevent the vehicle from moving.

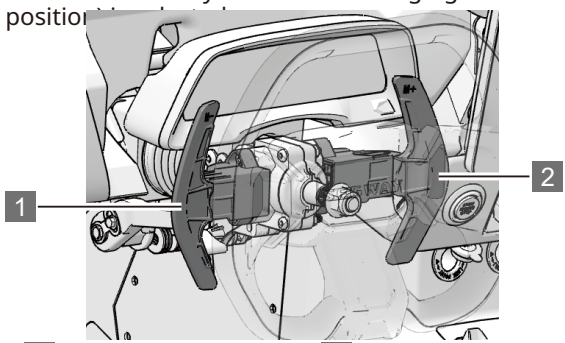
**⚠ WARNING**

**Always use the PARK (P) gear when the vehicle is not moving. The vehicle may move if not set in the PARK (P) gear.**

## GEARSHIFT LEVER

The gearshift lever are located behind the steering wheel.

The gearshift lever can only be used to change gears when manual mode (M position




1 Left downshift lever 2 Right upshift lever

### QUICK SHIFT MODE

In manual mode, the shift lever are activated.

Pressing the right (upshift) or left (downshift) lever will select the next higher gear or the previous gear.

Right shift lever (upshift) gear: M1→M2→M3→M4→M5→M6→M7. The gear can be displayed on the instrument.

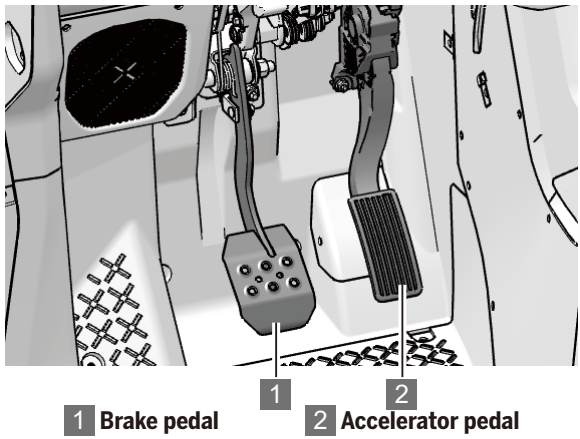
Left shift lever (downshift) gear: M7→M6→M5→M4→M3→M2→M1, the gear can be displayed on the instrument.

The current gear will be maintained until an upshift or downshift

speed is reached.

To exit quickshift mode and return to fully automatic mode, push the shift lever forward to shift into automatic mode (D gear).

## BRAKE AND ACCELERATOR PEDALS




1 Brake pedal 2 Accelerator pedal

### BRAKE PEDAL

You can slow down or stop the vehicle when you press the brake pedal. Use the brakes when you start the engine.

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

### ACCELERATOR PEDAL

Push the accelerator pedal down to increase speed.

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

To slow down, release the accelerator pedal.

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

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

**⚠ WARNING**

**Do not apply the accelerator pedal and brake pedal simultaneously, or the gearbox will be damaged seriously.**

# INSTRUMENT PANEL

The instrument provides the operator with vehicle operating parameter information. The driver should understand the meaning of various indicator lights, warning lights and displayed content 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. Do not use alcohol or corrosive detergents to clean the instrument, as corrosive liquids will corrode the instrument surface and cause damage to the instrument.** |

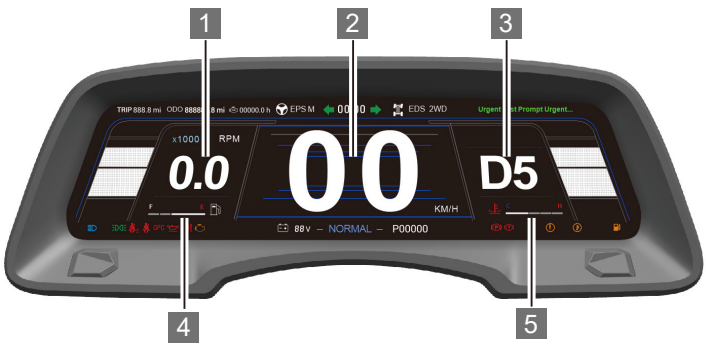
# INSTRUMENT INDICATOR LIGHT/WARNING LIGHT

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

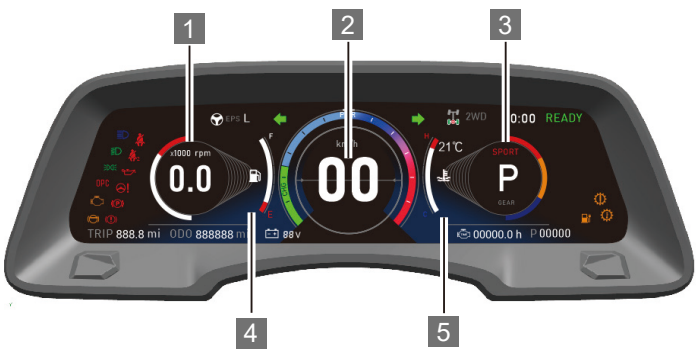
When the ignition lock switch is in the "ON" mode, the instrument is turned on and all warning lights on the instrument will light up briefly.

### INSTRUMENT INDICATOR LIGHT/WARNING LIGHT

**Main interface 1**




**Main interface 2**



### 1 Engine tachometer

Displays the real-time vehicle speed. (Displayed value × 1000 is the engine speed)

### 2 Speedometer

Displays the vehicle's real-time speed.

### 3 Gear display

R：Reverse N：Neutral P：Parking gear
M （1~7）：Manual mode D（1~7）：Automatic mode

### 4 Oil level indicator

E：Low fuel F：Full fuel

Displays the fuel level in the fuel tank. When the fuel level drops to the warning point, the fuel warning light will light up and you should refuel immediately.

### 5 Engine water temperature gauge

C：Low water temperature H：High water temperature

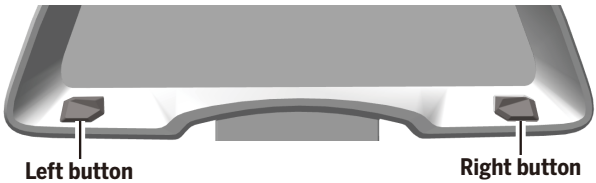
Displays the engine temperature. When the engine coolant temperature reaches the warning point, the water temperature warning light will light up, please turn off the engine.

| Light | Instructions | Status |
|---|---|---|
| Turn light (if equipped) |  | Turn on the turn signal switch or emergency light switch, and the indicator light will turn on and flash |
| High Beam |  | This lamp illuminates when the headlamp switch is set to high beam |
| Driving Lights |  | The front light, tail light, license plate light and instrument panel light are on |
| Check Engine |  | This indicator appears if an EFI-related fault occurs. Do not operate the vehicle if this warning appears. Serious engine damage could result. |
| Oil Pressure Warning |  | This light is on when oil pressure is too low |

| | | |
|---|---|---|
| Fuel level |  | The lamp lights up when the fuel level is too low |
| Off-seat alarm ( if equipped) |  | When the driver leaves his seat, the vehicle speed is “0” and the parking brake is not applied, the OPC indicator lights up and the buzzer sounds |
| Parking Brake ( if equipped) |  | This indicator lights up (red indicator) when park gear is used. (Optional equipment, if equipped with EPB) |
| |  | EPB module offline (yellow indicator). (Optional equipment, if equipped with EPB) |
| Brake System |  | • Low brake fluid level<br>• The braking system is faulty |
| EPS System |  | Indicates a failure in EPS system (optional equipment, if equipped) |
| Coolant temperature warning lamp |  | Indicator light showing excessive temperature of engine coolant. When it lights up and alarms, the engine should be stopped immediately and shut down. After cooling down to normal temperature, the engine should continue to run |
| Seat belt indicator |  | This light reminds the operator to ensure that all riders wear helmets and safety belts before work. The driver's seat belt is equipped with a seat belt interlocking device. If the seat belt is not secured, the vehicle speed will be limited to 15 MPH (24 km/h) |
| Transmission fault |  | This indicator lights up in the event of a transmission malfunction |
| Transmission overheating |  | This indicator lights up when the transmission temperature is too high |

| | | |
|---|---|---|
| Subtotal Mileage | TRIP 888.8 kmi | Sub-total mileage can also be cleared through the Instrument setting buttons |
| Engine running time | 888.8 h | Display engine running time |
| Fault code display | P00000 | In case of partial failure of the vehicle, the fault code is displayed in this area |
| Battery voltage | 00.0 V | Displays the current voltage of the vehicle battery |
| Battery alarm |  | When the engine is not started or when the voltage is lower than 9V or higher than 16.3V, the indicator lights up (red indicator) |
| Total Mileage | TOTAL 88888 kmi | Display the total mileage accumulated by the vehicle |
| Four-wheel drive full differential lock |  | "  " TWO-WHEEL DRIVE MODE<br>"  " FOUR-WHEEL DRIVE MODE<br>"  " FOUR-WHEEL DRIVE LOCK MODE |
| Diver mode | NORMAL<br>RACE<br>CLIMB | NORMA-Standard mode<br>RACE-Racing mode<br>CLIMB-Climbing mode |
| EPS On<br>(Only brushless EPS is supported) |  |  M-Normal mode, power normal<br> H-Comfort mode, power light<br> L -Motion mode, booster weight |
| "Transmission Transmission relearn required" message appears |  | Transmission relearn required should be performed when the message appears. Refer to Page 108 for the learning procedure.<br>1、With the vehicle powered off, press and hold the right instrument button for more than 3 seconds, then turn on the ignition switch to clear the message.<br>2、Clear via the mobile APP. |

## INSTRUMENT SETTING BUTTONS




| Function | Display | Left button | Right button | Display after action |
|---|---|---|---|---|
| Brightness adjustment | Main interface | Short press | | Adjust backlight brightness (default brightest) |
| Subtotal clear | Main interface | Long press | | Zeroing of subtotal mileage |
| EPS gear switching | Main interface | | Short press | EPS gear shift signal message sent out |
| Switch between metric and imperial systems | Main interface | | Long press | Switching between metric and imperial units (cannot be set if T-BOX is available) |
| chinese and english switching | Main interface | Short press | Short press | Short press left and right buttons at the same time to switch language (default english) |
| Clock settings (This function is not available when the vehicle has a T-BOX) | Main interface | 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 |
| | | Short press | | Clock format flashing |
| | | | Short press | 24-hour/12h switching |
| | | Short press | | Exit Clock |
| | | or 15S without operation | | |

# CENTRAL CONTROL COMPONENTS

The center display features entertainment, Bluetooth phone, radio, custom maps, and more. This center display is available exclusively on Segway models, and you will find it much more enjoyable and convenient to use. If your vehicle is equipped with a center console, we ask that you read this manual carefully before using your vehicle. You will be able to get tips on how to make the most of the features in the center console.

**⚠ WARNING**

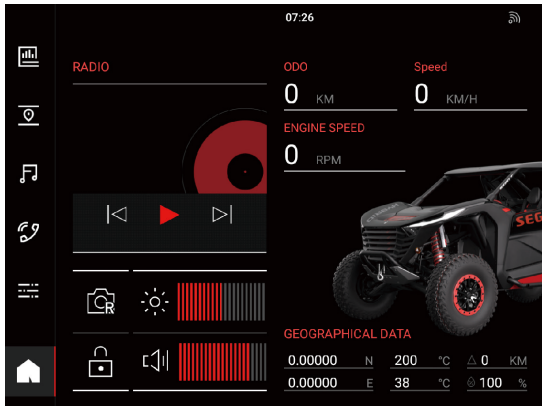
- **During driving, be sure to use the shortest time to view. Looking at the screen for too long may cause an accident due to the driver's inattention, and the vehicle can be parked in a safe area for operation.**
- **Please be careful not to allow water or foreign matter to flow into the product, as this may cause the product to short-circuit, catch fire, etc. If liquid intrusion occurs, please stop using the product immediately. If there is any liquid intrusion and smoke occurs, please stop using the product immediately. Continued use may result in damage to the product, so contact your dealer for service.**
- **When wiping the touch screen, please turn off the machine or use the lock mode to prevent accidentally touching the buttons, resulting in other abnormalities. Use a soft, dry cloth for cleaning, do not use coarse rags or chemical cleaners that contain corrosive chemicals, which may corrode the screen.**
- **Do not hit the screen with hard objects**
- **Avoid prolonged exposure to bright sunlight**
- **Non-professional repairs may cause the display to become temporarily or permanently inoperable, if you encounter problems, contact your dealer for service.**

**NOTICE**

**Prolonged use of the monitor when the vehicle's engine is turned off may drain the battery, which could affect the vehicle's starting.**

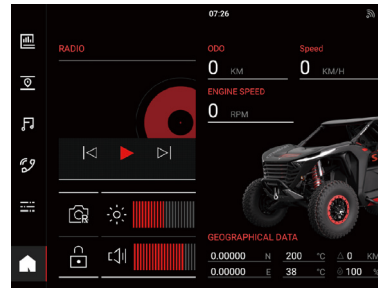
# FUNCTIONS AND CONTROLS

## MAIN SCREEN AFTER BOOTING




| Menu Icon | Name | Function Description |
|---|---|---|
| | Center Sub-Instrumentation | Transmission oil temperature and air intake temperature indicate the current transmission oil temperature and engine air intake temperature respectively. On the right side are the vehicle operating data, oil pressure, air intake pressure, accelerator Aperture, torque, as shown below. |
| | Map function menu | Navigation, map display layer selection, offline map download, offline map detail selection, offline map area selection, map display mode selection. |
| | Multimedia | Multimedia is divided into local music (USB music), Bluetooth music, and radio. |
| | Bluetooth voice calling | Support dialing keypad, address book, call logs. |
| | System settings | Settings, Bluetooth, mobile casting, WLAN. |
| | Main interface | Power-on display interface. |

## MAIN INTERFACE

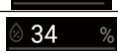



The main interface is displayed after the vehicle is powered on and the center control is turned on or click the button to switch to the main interface.

This interface is displayed in left and right split screen, the upper left interface displays the multimedia module, which can pause and switch the previous/next song.

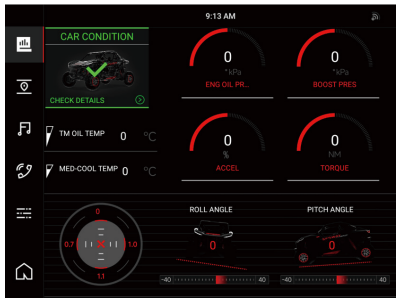
The lower left interface has camera on shortcut button, brightness adjustment, lock screen button, volume adjustment button.

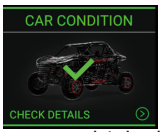
The right interface displays the real-time status of the vehicle, as follows:

| Menu Icon | Name | Function Description |
|---|---|---|
|  | Shortcut key to turn on the rear camera | You can quickly turn on the rearview camera. When the vehicle gear is adjusted to “R”, the center control panel will automatically jump to the reverse camera interface. |
|  | Brightness Adjustment | Click to adjust the screen brightness |
|  | Lock Button | Tap Lock to enter lock mode, no content is displayed. Tap the unlock button according to the screen prompts to exit the lock screen mode. |
|  | Volume Adjustment | Tap to adjust the volume. |
|  | Total Miles Traveled | Shows the total miles traveled by the vehicle. |
|  | Speed | Displays the current speed of the vehicle. |
|  | Engine Speed | Displays the current engine speed |
|  | Latitude and Longitude | Displays the current latitude and longitude information. |
|  | Coolant Temperature | Displays the engine coolant temperature. |
|  | Ambient Temperature | Displays the current ambient temperature |
|  | Altitude | Displays current altitude |
|  | Humidity | Displays current ambient humidity information |

# VEHICLE DATA INFORMATION

Click the button to switch to the vehicle information interface.

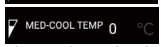



Vehicle Status Monitoring Card Click【CHECK DETAILS】to enter the vehicle status display page, which displays the current status of the vehicle, such as the vehicle status is intact or there is some kind of fault indication.

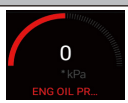
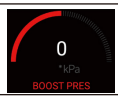
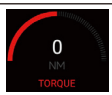
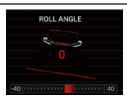



Current transmission oil temperature.




Engine intake temperature.

The right side displays vehicle operation data, such as oil pressure, intake pressure, gas pedal opening, torque, as shown in the table below:

| Menu Icon | Name | Function Description |
|---|---|---|
|   | ENG OIL Pressure | Displays the amount of oil pressure as it circulates inside the engine. |
|   | Boost Pressure | Displays the pressure parameter generated by the flow of gas in the engine's boost system. |
|   | Accelerator Aperture | Shows the percentage of the accelerator position relative to the fully depressed position when the driver depresses the accelerator. |
|   | Torque | Displays the engine torque value |
|   | Pitch Angle | Shows the angle between the front and rear of the vehicle and the ground plane. |
|   | Roll Angle | Displays the angle between the body plane and the ground plane |

# MAP MENU




The map function has navigation and offline map functions. Use satellite signal, vehicle signal, map data, etc. to calculate the current vehicle position.

Click the button to switch to the mapinterface.

**About Error**

In case of normal satellite signal reception, there is some error in the position information, sometimes the positioning error may reach 100 meters, but in most cases the system can compensate for this error through automatic correction. Weather or physical obstacles (mountains, tunnels, tall buildings, trees, etc.) may affect the reception of navigation signals, and in this case, it may not be able to accurately display the current position of the vehicle.

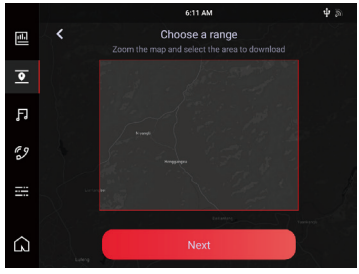
Even if a clear satellite signal is received, the current vehicle position may not be displayed accurately in some cases. The current vehicle position may not be displayed accurately in the following situations:

- When driving on a Y-shaped road with a small turning angle.
- Driving on a winding road.
- When driving on slippery roads (e.g. gravel, ice, snow, etc.).
- When there are parallel roads
- In a parking lot or garage with a carport. Inappropriate route guidance may occur in the following cases:
- When the route cannot be retrieved.
- When passing through gravel roads, unpaved roads, or alleys.
- When the road is temporarily impassable due to road construction or other reasons.
- When the data is not updated in a timely manner.
- When the search route is not the best route.
- When the destination is on the opposite side of the street.
- When on a U-shaped rotary road.

This map data is the latest map data at the time of production of this system. Due to changes in facilities, roads, and areas, it may not be possible to correctly locate your correct position. In this case, it is recommended that you have the system upgraded at your service provider.

| Menu Icon | Name | Function Description | Menu Icon | Name | Function Description |
|---|---|---|---|---|---|
| | Map Scale Zoom In | You can zoom in the map display | | Map switching | Click to switch between night map/day map/ satellite map |
| | Map Scale Zoom Out | You can zoom out the map display | | Self-localization | Click to jump to self-localization |
| | Settings | Clicking on the Settings button will allow you to select areas to download offline maps | | | |

## OFFLINE MAP DOWNLOAD

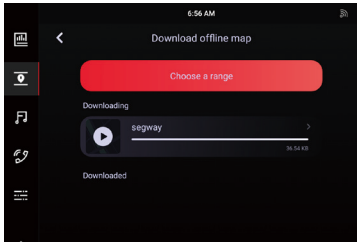



Click the button to switch to the map interface.

Click to enter the offline map download interface.

Click【Choose a range】to enter the map download area selection interface.

In the map download area selection interface, you can move or zoom in and out the map to select the map area you want to download, after selecting, click【Next】to enter the map download interface.



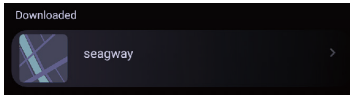

On the Map Download screen, enter a map name, either alphanumeric or numeric.

Slide the map level selection bar to select the map level. (0~20, the larger the value, the higher the accuracy).

Click【Download】to start downloading the map.

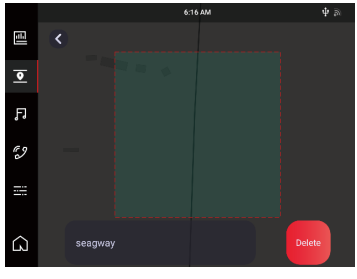
The map in the Downloading list is the map being downloaded.

The map in the Downloaded list is the downloaded map.



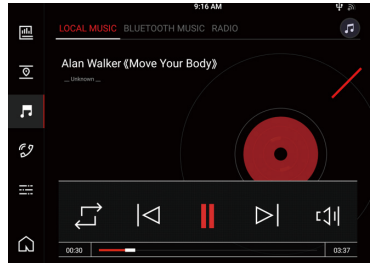

You can delete either the downloaded map or the finished map.

## USING OFFLINE MAPS




Click a map in the Downloaded list to enter the map preview interface, click the map you want to use, then press the Back button to the first page of the map to use the downloaded map.

## MULTIMEDIA MENU




Click the button to switch to the Multimedia interface.

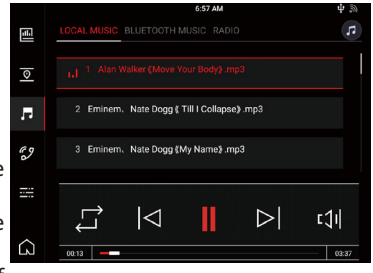
Multimedia allows you to play music from a USB device or connect a Bluetooth device to play music from the device.

You can listen to radio programs on different frequency bands.

### Local Audio

Click the button to switch to the Multimedia interface.

Click the【LOCAL MUSIC】button to switch to the local audio (playback of music from USB disk) playback interface. After inserting a USB flash disk into the USB port of the glove box, the songs on the USB flash disk will automatically appear in the list of the playback interface, select the song you want to listen to.




### Play/Pause

〉Click the button to start playing.

〉Click the button to pause the playback.

### Track switching

〉Click the button to switch to the previous track.

〉Click the button to switch to the next track.

Progress Skip: Select any position of the progress bar to directly skip to the target progress of playback.

Volume Setting: Click the volume adjuster to adjust the volume, click the button to mute.

Playback Mode: Click the button to switch between loop/random playback. You can also slide the playlist up and down to select songs by yourself.




### Bluetooth Audio

Tap the button to switch to the multimedia interface.

Tap【BLUETOOTH MUSIC】button to switch to the Bluetooth audio playback interface, at this time, you can play the audio by connecting the Bluetooth device.

**NOTICE**

**This function must be performed with a Bluetooth device connected.**

## RADIO

Click the icon to switch to the multimedia interface.

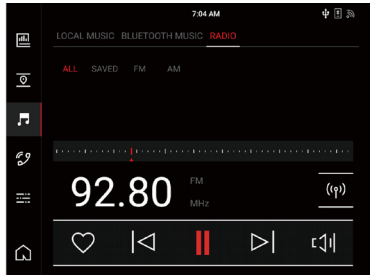
Clic【RADIO】to go to the radio interface.

Click【ALL】to display all current bands.

Click【SAVED】for the radio station favorites list.

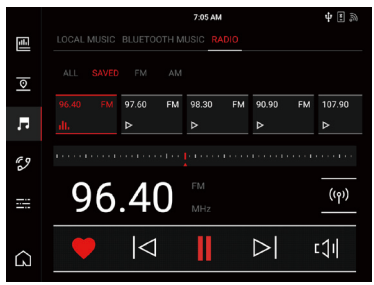
Click【FM】to switch to the FM band.

Click【AM】to switch to the AM band.




### Manually tune the channel

Long press ⏮ or ⏭ The value of the non-released band starts to increase or decrease accordingly. Release it after reaching the band to be listened to. You can also select the band by sliding the frequency band display bar left or right.




### Auto Tuning

under the【FM】or【AM】menu, Short press ⏭ to perform auto tuning in the current band. After the auto search is completed, all stations will be displayed in the list above. Click on the station you want to listen to.Through (((•))) quickly switching between the FM band and the AM band.

### Radio favorites

When the radio is playing a program, click the icon【♡】o store the currently playing radio station in the【SAVED】radio station list. You can select a radio station from the list to start playing.

### Volume settings

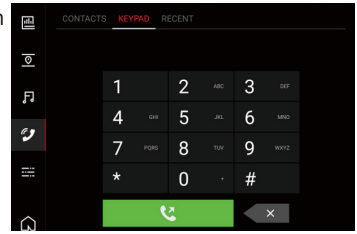
Click the icon 🔊 select the volume regulator, and you can adjust the volume.

**NOTICE**

**External environments (such as mountains, buildings, tunnels, underground parking lots, etc.) may affect signal reception. This phenomenon is caused by the propagation mode of radio waves and does not indicate a malfunction of the radio.**

## BLUETOOTH VOICE CALL

Click the icon to switch to the Bluetooth voice call interface.




**NOTICE**

**This function must be performed when the device is connected to a mobile phone via Bluetooth. Also, make sure that the mobile phone permissions are set to allow. The Bluetooth connection can be completed in the settings menu.**

### Address book

Click the icon to switch to the Bluetooth voice call interface. Click

【CONTACTS】to enter the address book interface. Select the phone number you want to call and then you can make a call.




### Synchronize the address book

Click【Sync now】to authorize. At this time, a prompt will pop up on the connected Bluetooth mobile phone. After confirming on the phone, all the contacts in the mobile phone can be synchronized to the device.

**NOTICE**

**This function must be carried out when the device is connected to the mobile phone via Bluetooth.**

Select the phone number on this interface to make a call.




### Historical call records

Click【RECENT】to switch to the historical call record interface. Select an entry in the historical record to make a call.

**NOTICE**

**When the mobile phone Bluetooth is disconnected from the device, all the read-through records and call history records are cleared.**

### Bluetooth Dialing

Click【KEYPAD】to switch to the dialing interface. After entering the number, click to make a call.

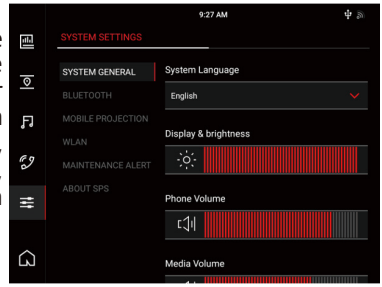
The icon in the call interface can mute the call, the icon can adjust the call volume.

**⚠ WARNING**

**During driving, please do not use the calling function. Even if using a Bluetooth headset or a car phone system, it may still lead to distracted driving and slow reaction. If there is indeed an emergency that requires answering a call, please find a safe place to park.**

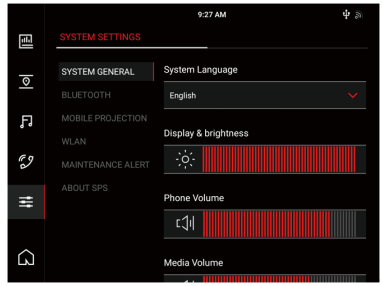
## SYSTEM SETTINGS MENU

Click the icon to switch to the system settings interface. In the system settings menu, the driver can set the following items: system settings, Bluetooth settings, mobile phone screen settings, WLAN settings, system version preview.




### SYSTEM SETTINGS

Click the icon to switch to the system settings interface. Click the【SYSTEM GENERAL】button to enter the system overview interface, as shown in the following table:




| Menu Icon | Name | Function Description |
|---|---|---|
|   | System language | Switch languages in the drop - down menu. Currently, seven languages are supported, including Simplified Chinese, English, German, French, Spanish, Portuguese, and Russian. |
|   | Brightness adjustment | Swipe left and right to adjust the screen brightness. |
|   | Volume adjustment | Slide left and right to adjust the volume. |

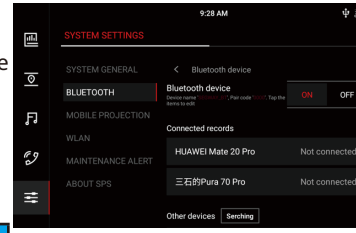
## BLUETOOTH SETTINGS

Click the icon  to switch to the system settings interface.

Click【BLUETOOTH】to enter the Bluetooth settings interface.

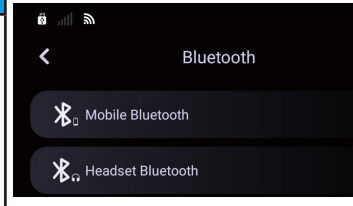
【ON】Turn on Bluetooth

【OFF】Turn off Bluetooth

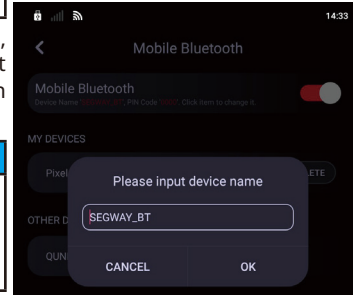



**NOTICE**

**The Bluetooth version number of this device is 1.8.6. It is highly compatible with various models of Bluetooth headsets and mobile phone Bluetooth on the market. During the first-time pairing process, it may take 1 to 5 minutes or even longer. If this device cannot find the mobile phone Bluetooth or Bluetooth headset, please try to refresh or restart.**




On this interface, there are two options, 【Mobile Bluetooth】and 【Headset Bluetooth】, through which connection settings can be made respectively.



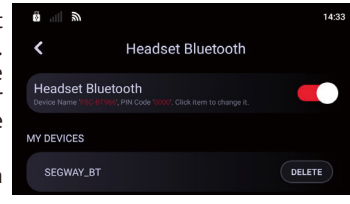

**NOTICE**

**In【Mobile Bluetooth】, it can only be connected to devices such as mobile phones, and cannot be connected to headphones or speakers.**

## MOBILE BLUETOOTH AND HEADSET BLUETOOTH CONNECTION

Click【Mobile Bluetooth or Headset Bluetooth】menu to turn on the Bluetooth. Also turn on the Bluetooth of the device you need to connect. After searching for the device, click to connect and enter the password to complete the connection.

The default password for Bluetooth connection is "0000" or "1234".

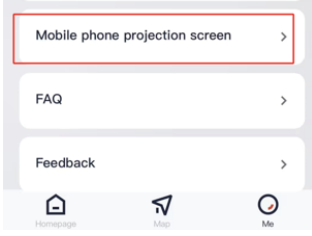



**NOTICE**

**You can modify the name of the Bluetooth device, or you can directly click DELETE to delete the pairing.**

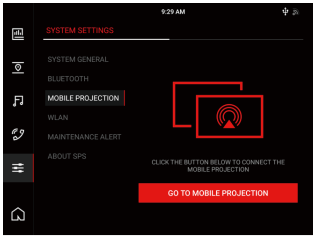
## MOBILE PHONE PROJECTION SCREEN

### Mobile terminal




For the mobile device, users with Android system need to go to Google Play, and those with iOS system need to go to the App Store to download the latest version of the "Segway Mobility" App.

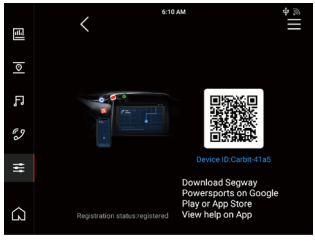
Open the APP and register and log in according to the prompted steps. Click the menu Me, and then click "Me-Mobile phone projection screen" to enter the mobile phone screen projection interface.




### Central control terminal

Click on the【MOBILE PROJECTION】menu under the icon .

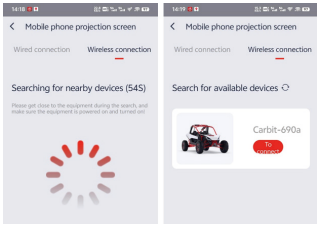
There are two connection methods for mobile projection: WIFI and USB.




1、Connect the mobile phone for screen mirroring via WIFI:

Ensure that the mobile phone and the central control screen are on the same network. Generally, use the mobile phone to open a WiFi hotspot for the central control screen to connect to.

Control Center: After confirming the connection to the mobile hotspot, enter the mobile projection page (click the "GO TO MOBILE PROJECTION" button) to enter the projection prompt interface. The QR code on this interface can be used to download the "Segway Mobility" App.



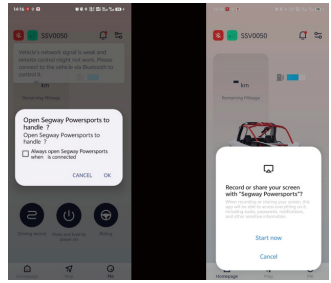

Mobile phone: After entering the "Mobile phone projection screen" page, click "Wireless connection" to enter the WIFI connection TAB page. The app will automatically search for devices that can be projected. After finding a device, click "To Connect" to start screen projection.

2. Connect the mobile phone and project the screen via USB.

Connect the mobile phone to the USB port in the glove box of the vehicle using a data cable.

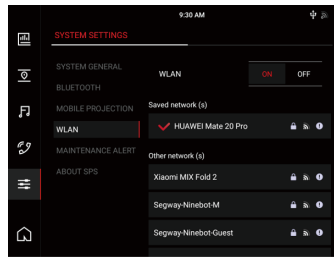
Control terminal: Enter the mobile phone projection page (click the "GO TO MOBILE PROJECTION" button)

Mobile terminal: After the wiring harness is connected properly, a pop-up window will automatically appear asking for relevant permissions such as screen projection. Just confirm all of them.




## WLAN SETTINGS

Click the icon  to switch to the system settings interface.

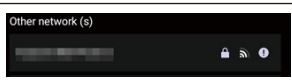



Click【WLAN】to switch to the wireless network settings interface. On this interface, you can turn on the wireless network by【ON】or turn it off by【OFF】.

After turning it on, the system can automatically search for Wi-Fi networks with signals. Click on the network you need to connect to, enter the password, and then click "Connect".

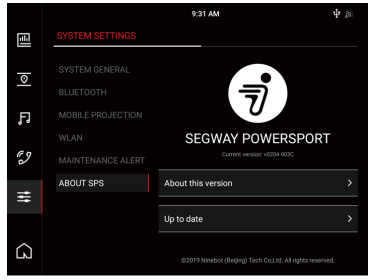
**NOTICE**

**After the device is used for the first time or restored to factory settings, you need to set up WLAN first and connect to the network for activation.**

| Menu Icon | Name | Function Description |
|---|---|---|
|   | WLAN switch | Turn on/off the WLAN function |
|   | Saved networks | Show saved networks, click to connect or delete a network |
|   | Other networks | Show other nearby networks. Click to connect. |

## REGARDING SPS

Click the icon  to switch to the system settings interface. Click the 【ABOUT SPS】 button to view the version information of the current central control system.




## CENTRAL CONTROL SCREEN SYSTEM UPGRADE

In order to provide new functions, performance improvements, or enhance the overall performance of the device, the central control system will conduct system upgrades irregularly. System upgrade program.

Copy the latest version of the central control upgrade software to a blank USB drive.

Connect the USB flash drive with the newly copied software version to the USB interface in the glove box. The system will automatically recognize and upgrade. After the upgrade is completed, simply unplug the USB flash drive.

# EQUIPMENT COMPONENT

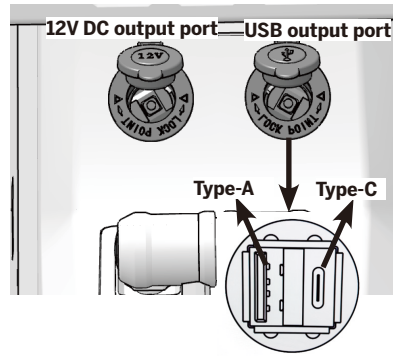
## VEHICLE EQUIPMENT

### 12V DC SOCKET

The power socket can be used for accessories with working current less than 12V/10A.

Conditions for use of power sockets:

When the ignition lock is in "ON" mode.




### USB OUTPUT PORT

Input voltage: DC 8V~16V

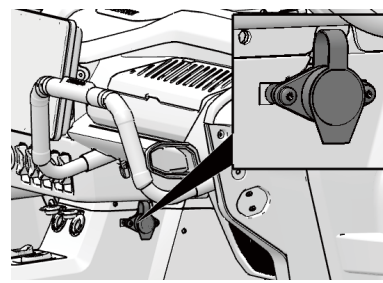
Type-A output 5V/2.4A

Type-C output 5V/2.4A

## WINCH SWITCH SOCKET

The vehicle is equipped with a winch switch socket, which located at the lower left of the co-pilot.

The winch switch socket is used to control the winch operation after connecting with the winch controller.（See page 90）



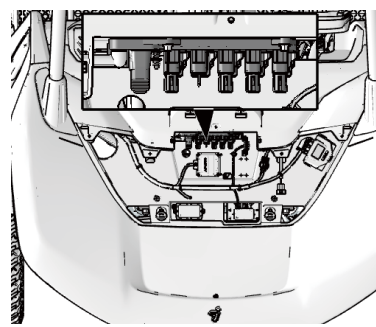
### POWER DISTRIBUTOR

The vehicle is equipped with a power distributor, located under the front maintain cover.

The power distributor can be used for some newly added electrical products in the vehicle, such as wipers, audio, etc.

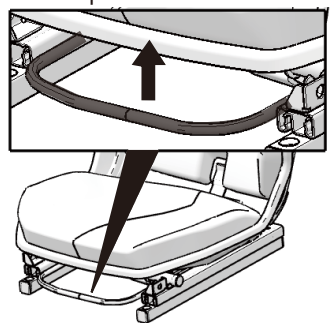
Fuse：40A

Maximum power：150W



## SEATS ADJUSTMENT

The vehicle is equipped with an adjustable seat. The driver or passenger can adjust the seat according to the comfort level before starting the vehicle. The seat should be adjusted so that the driver's back fits the seat back and the driver's feet can step on the brake pedal and accelerator pedal.



### SEAT FRONT AND REAR POSITION ADJUSTMENT

There is a U-shaped adjustment rod at the front end of the seat. Pull the U-shaped adjustment rod upward and hold it to slide the seat forward or backward to the desired position. Release the U-shaped adjustment rod. The seat will be locked in the new position.

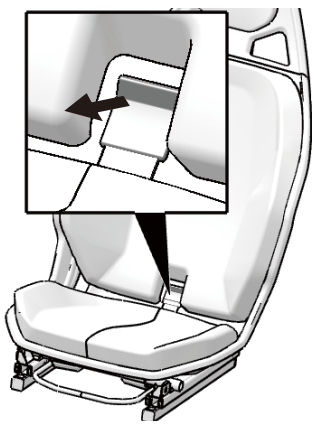
## SEAT REMOVAL AND INSTALLATION

### REMOVAL

Press the handle behind the seat forward to disengage the fixing hook under the seat from the fixing slot.

If there is a wiring harness under the seat, unplug it.

Lift the seat upward and remove it from the vehicle.

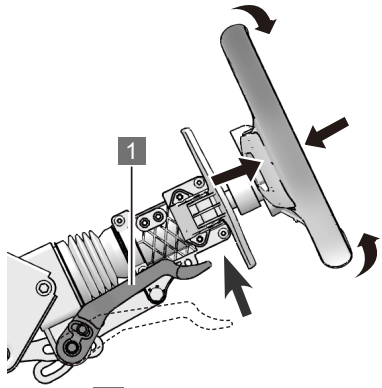


### INSTALLATION

1. If there is a wiring harness, plug the wiring harness connector under the seat.
2. Insert the two slots at the front of the seat into the round tube.
3. Press the back of the seat upwards until you hear a "click".
4. After installation, check whether the seat is installed properly to ensure the safety of the driver and passengers.

## STEERING WHEEL ADJUSTMENT

The steering wheel is angle-adjustable and telescopically adjustable to suit the driver's driving preferences.




1 Adjustment lever

1. Adjust the seat position.
2. Move the adjustment lever downward.
3. Move the steering wheel to the desired position.
4. Hold the steering wheel in this position and raise the adjustment lever to lock the mechanism in place.
5. Try moving the steering wheel up/down/forward/backward to confirm that the steering wheel is securely locked.

**⚠ WARNING**

**Never adjust the steering wheel while driving. Otherwise, you may lose control.**

## CUP HOLDER

The vehicle offers two cup holders, both located in the lower dashboard.

***NOTICE***

**Do not use the cup holders when driving in uneven conditions.**

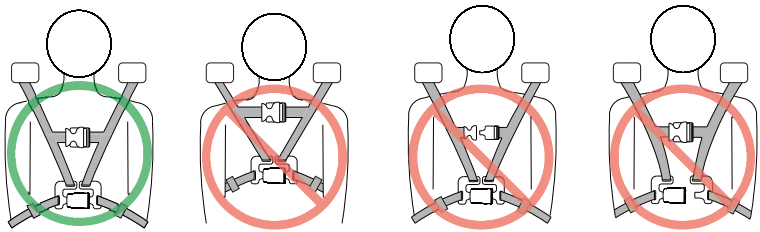
## SEAT BELT

Fasten your seat belt immediately after getting in the car. Seat belts can effectively protect the personal safety of the driver and passengers. When the vehicle encounters an accident, seat belts can reduce injuries to people in the vehicle. Please wear seat belts correctly and follow the steps below:

### DRIVER'S SEAT BELT

Driver's seat belt is a four-point retractable seat belt with a seat belt adjuster.

1. Wear the left and right seat belts on both shoulders.

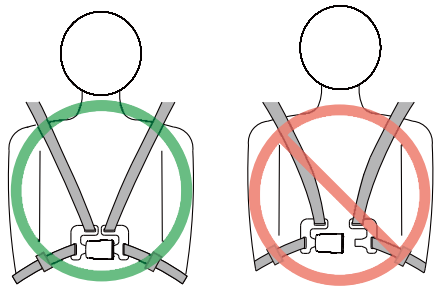


correct | too high | Upper unlocked | Lower unlocked

2. Push the upper and lower latch plates into the upper and lower buckles respectively until they click.
3. You can adjust the seat belt to fit closely to your body by pulling the belt inwards through the retractor above the shoulder or the adjustment straps on both sides below.
4. Press the release locks of the upper and lower buckles to release the seat belt.

### PASSENGER SEAT BELTS

The passenger seat belt is a four-point harness type seat belt. Pull the seat belt inward or outward through the adjustment straps on both sides to adjust the length of the seat belt so that it fits the body tightly.



**NOTICE**

**Before each use, check all seat belts for proper operation.**

- **Push the latch plate onto the buckle until it clicks. The latch plate must slide smoothly into the buckle.**
- **Pull each seat belt out and inspect it for any damage, including cuts, wear, abrasions, or strength. If any damage is found, or if the belt does not operate properly, contact your Segway Dealer for a replacement.**
- **To clean dirt or debris from the seat belts, wipe the straps with mild soap and water. Do not use bleach, dyes, or household detergents.**

## CAB DOOR

This vehicle is equipped with cab doors. Always ensure all cab doors are closed and locked when operating this vehicle.

**⚠ WARNING**

**Riding in this vehicle without the driver's door closed or locked will increase the risk of serious injury or death in the event of an accident or rollover.**

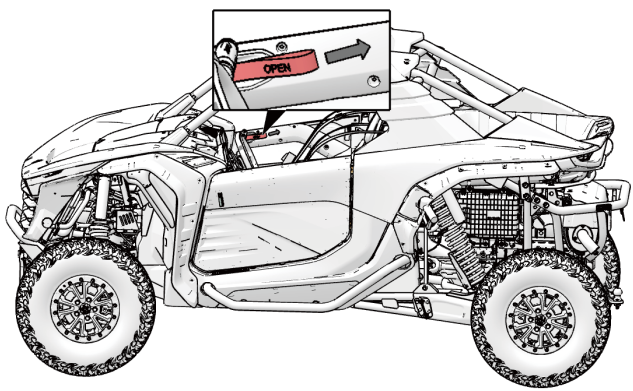
Always inspect doors and latches for wear and damage before each use.

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

### OPEN/CLOSE CAB DOOR

The door latch is located on the inside front side of the door and the door is opened by pulling the latch bar.

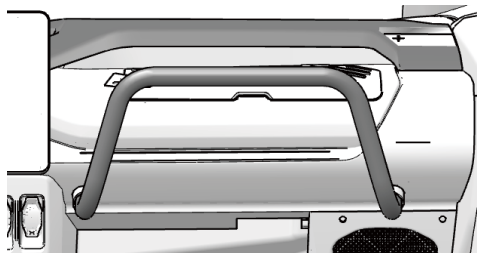
Pull the door inwards and it will close when you hear a "click". After closing, check whether the door is locked.



## PASSENGERS ARMREST

At passenger seat there will be a armrest under the control panel.

For passenger safety, please let passenger tight the armrest after vehicle ignited.

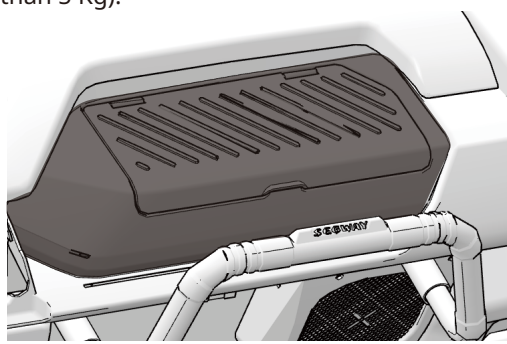


**⚠ WARNING**

**Do not use any part of the roll cage as a handrail. Your hands could be hit by objects outside the cabin or crushed in a rollover.**

## GLOVE BOX

The vehicle is equipped with a closed glove box for carrying lighter items (less than 5 Kg).



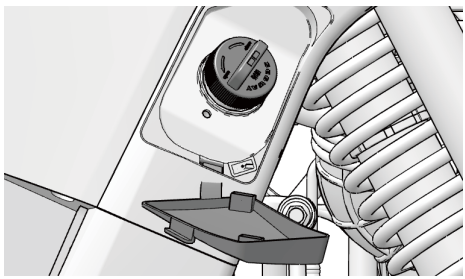
## TOOL KIT

A tool kit with basic tools is available and is located in the glove box.

## FUEL FILLER

**⚠ WARNING**

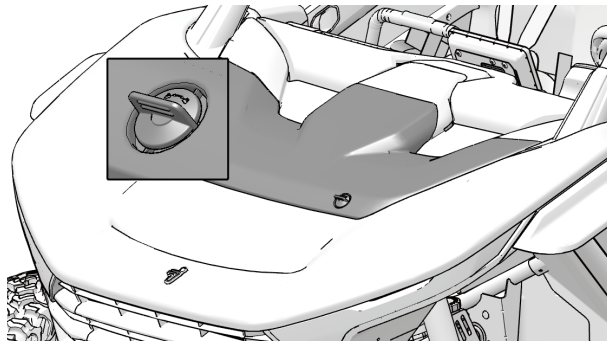
- **Always fill the vehicle with the type of fuel specified for the vehicle.**
- **Do not smoke while filling the vehicle with fuel, as this may ignite the fuel and cause a fire.**
- **Do not touch other people or objects with static electricity, as this may cause static electricity to build up and ignite the fuel.**
- **Do not spill the fuel while filling.**



1. Pull open the fuel tank decorative cover.
2. Unscrew the fuel tank cap in the direction of "OPEN" (see the direction mark on the fuel tank cap).
3. Refuel the vehicle (do not overfill).
4. Tighten the fuel tank cap in the direction of "CLOSE" and close the fuel tank cap.

## FRONT INSPECTION COVER

The knobs on both sides of the inspection cover can quickly open the front inspection cover. The power distributor, T-BOX, BCM, antenna combination, winch relay, etc. are located below.



## CARGO DOOR

The cargo door can be quickly removed. At the same time, grab both cargo box door panel handles and lift the cargo box door upwards to remove it.

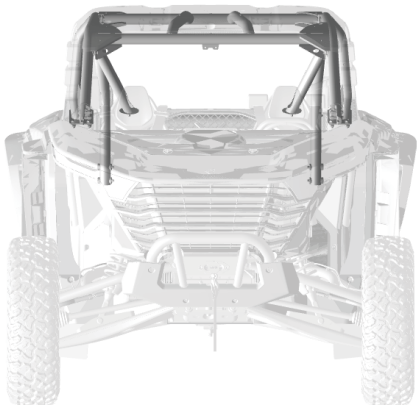


**⚠ CAUTION**

**Before starting the drive, ensure that the cargo door is installed in place.**

## ROLLOVER PROTECTION SYSTEM(ROPS)

The vehicle's Rollover Protection System (ROPS) meets the rollover performance requirements of ISO 3471: 2008. If the vehicle's Rollover Protection System is damaged in any way, contact a Segway dealer to While no device can guarantee the protection of occupants in a rollover accident, when used in conjunction with seat belts, cab nets or doors, ROPS helps prevent occupants from being ejected from the vehicle. Always follow all safe operating procedures outlined in this manual to avoid a vehicle rollover.



**⚠ WARNING**

**Vehicle rollover could result in serious injury or death. Avoid operating in a manner that could cause the vehicle to roll over.**

# SUSPENSION ADJUSTMENT GUIDE (TYPE A)

The handling and comfort of the vehicle depend on the adjustment of the suspension.

Suspension tuning choices vary with vehicle load, personal preference, driving speed, and terrain conditions.

The spring adjustment nut of the gas pressure damping shock absorber is at the upper end of the spring. Use a crescent wrench to loosen the lock nut. Then turn the adjustment nut to loosen it.

Adjust the nut position within the range shown below to achieve the desired comfort level.

The best way to set up your suspension is to start with the factory settings and then customize it one adjustment at a time.

Front and rear adjustments are related. For example, after adjusting the front shock absorbers, you may also need to readjust the rear shock absorbers.

Run the vehicle in at the same track, speed, load, etc. make an adjustment change and retest. Methodically make adjustments until you are satisfied.

A guide to fine-tuning your suspension is provided below.

Shock absorber adjustment position.

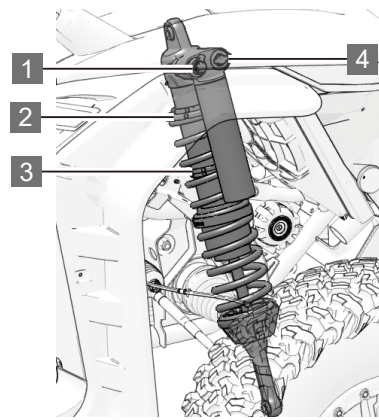
**TAKE THE FRONT SUSPENSION AS AN EXAMPLE**

1 **Compression damping (high and low speed)**

2 **Preload**

3 **Spring cross section**

4 **Rebound damping**



## FRONT AND REAR SUSPENSION FACTORY SETTINGS

| Item | Settings | Available range |
|---|---|---|
| Front shock absorber:<br>Gas pressure adjustable damping shock absorber spring preload setting position (from the bottom of the upper mounting seat to the adjustment nut position) | 32mm | 12～50mm |
| Rear shock absorber:<br>Gas pressure adjustable damping shock absorber spring preload setting position (from the bottom of the upper mounting seat to the adjustment nut position) | 104mm | 90～120mm |
| High-speed compression damping adjustment (adjustable on a scale) | 3 gear | 1st～3rd gear |
| Low speed compression damping adjustment (adjustable on a scale) | 4 gear | 1st-8th gear |
| Restoration damping adjustment (adjustable by scale) | 4 gear | 1st-8th gear |
| Gas pressure | 1Mpa | |

## SPRING PRELOAD ADJUSTMENT

On firmer surfaces and in uneven driving conditions or when carrying heavy loads, shorten the spring.

On softer surfaces and in smooth driving conditions, lengthen the spring.

**⚠ WARNING**

**The left and right shock absorber adjustments of the front or rear suspension must always be set to the same position.**

**Never adjust the shock absorbers on only one side.**

**Uneven adjustment on both sides can result in poor handling and stability, which could lead to an accident.**

Lift the vehicle. The spring length should be measured without any load on the wheel.

The spring length should be the same on both sides.

Loosen the locking ring and turn the adjuster ring as needed to make adjustments.

Loosen the locking ring and turn the adjuster ring as needed to make adjustments.

1 **Loosen the top locking ring**

2 **Turn the adjuster ring as necessary**

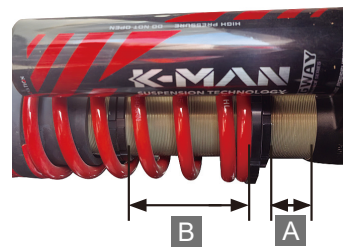
3 **Tighten the top locking ring**




## ADJUSTMENT SPRING CROSS SECTION

The dual compression ratio crossover point can be modified by adjusting the position of the turning ring. See your authorized Segway dealer.

Typical Example - Cross Adjustment - Rear Shock Absorber




A **Spring preload**

B **Turning ring position**

## LOW SPEED COMPRESSION DAMPING

Low-speed compression damping controls how the shock reacts to low suspension speeds (slow compression stroke, most commonly when riding at low speeds).

The low-speed compression group can be adjusted by adjusting the compression group knob position:



**1 Adjustment knob**

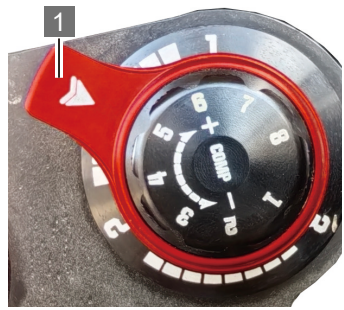
Increase compression damping (become softer) from 1st gear (1→ 2→ 3→ 4→ 5→ 6→ 7→ 8) to 8th gear.

Reduce compression damping (harder) from 8th gear (8→ 7→ 6→ 5→ 4→3→2→1) to 1st gear.

## HIGH SPEED COMPRESSION DAMPING

High-speed compression damping controls how the shock reacts to high suspension speeds (fast compression travel, most commonly found when riding at higher speeds).

High-speed compression damping can be adjusted by adjusting the handle position:



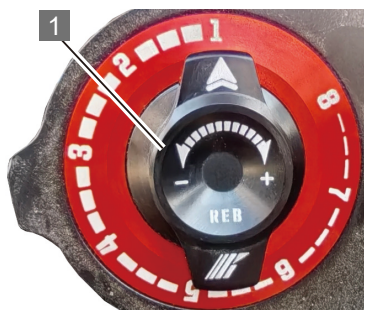

**1 Adjustment handle**

Increase compression damping (soften) from 1st gear (1→2→3) to 3rd gear.

Reduce compression damping (harder) from 3rd gear (3→ 2→ 1) to 1st gear.

## REBOUND DAMPING

Adjust the rebound damping by adjusting the rebound damping knob:




**1 Rebound damping knob**

Increase rebound (softer), from 1st gear (1→ 2→ 3→ 4→ 5→ 6→ 7→ 8) to 8th gear.

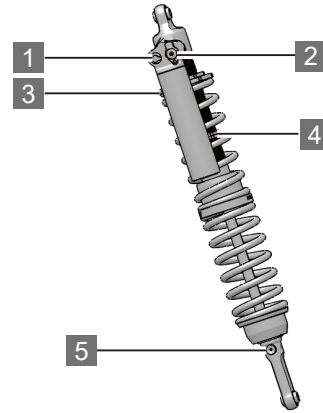
Reduce rebound (harder) from 8th gear (8→7→6→5→4→3→2→1) to 1st gear.

# SUSPENSION ADJUSTMENT GUIDE (TYPE B)

### SHOCK ABSORBER ADJUSTMENT POSITION

Take the front suspension as an example.

1. **Low speed compression damping**
2. **High speed compression damping**
3. **Preload**
4. **Spring cross section**
5. **Rebound damping**




### FRONT AND REAR SUSPENSION FACTORY SETTINGS

| Item | Settings | Available range |
|---|---|---|
| Front shock absorber: Gas pressure adjustable damping shock absorber spring preload setting position (from the bottom of the upper mounting seat to the adjustment nut position) | 25mm | 15~35mm |
| Rear shock absorber: Gas pressure adjustable damping shock absorber spring preload setting position (from the bottom of the upper mounting seat to the adjustment nut position) | 96mm | 86~106mm |
| High-speed compression damping adjustment (adjustable on a scale) | 3rd gear | 1st～3rd gear |
| Low speed compression damping adjustment (adjustable on a scale) | 4 gear | 1st-8th gear |
| Restoration damping adjustment (adjustable by scale) | 4 gear | 1st-8th gear |
| Gas pressure | 1Mpa | |

### SPRING PRELOAD ADJUSTMENT

The adjustment method is the same as (Type A) shock absorption.

### LOW SPEED COMPRESSION DAMPING

Low-speed compression damping controls how the shock reacts to low suspension speeds (slow compression stroke, most commonly when riding at low speeds).

The low-speed compression group can be adjusted by adjusting the compression group gear position:




**1 Adjustment knob**

Increase compression damping (soften) from 1st gear (1 → 2 → 3 → 4 → 5 → 6 → 7 → 8) to 8th gear.

Decrease compression damping (harder) from 8th gear (8 → 7 → 6 → 5 → 4 → 3 → 2 → 1 ) to 1st gear.

### HIGH SPEED COMPRESSION DAMPING

High-speed compression damping controls how the shock reacts to high suspension speeds (fast compression travel, most commonly found when riding at higher speeds).

High-speed compression damping can be adjusted by adjusting the gear position:




**1 Adjustment handle**

Increase compression damping (soften) from 1st gear (1 → 2 → 3) to 3rd gear.

Decrease compression damping (harder) from 3rd gear (3 → 2 → 1) to 1st gear.

**REBOUND DAMPING**

Adjust the rebound damping by adjusting the rebound damping knob:




1 **Rebound damping knob**

Increase rebound (softer), from 1st gear (1 ➞ 2 ➞ 3 ➞ 4 ➞ 5 ➞ 6 ➞ 7 ➞ 8) to 8th gear.

Reduce rebound (harder) from 8th gear (8 ➞ 7 ➞ 6 ➞ 5 ➞ 4 ➞ 3 ➞ 2 ➞ 1 ) to 1st gear.

# SPECIAL PROCEDURES

## MECHANICAL PARKING GEAR RELEASE

If a vehicle malfunction causes the shift mechanism to be unable to shift into (P) gear normally, the (P) gear must be released manually.

The speed shift shaft is located above the transmission. To release the mechanical (P) gear, perform the following procedure:

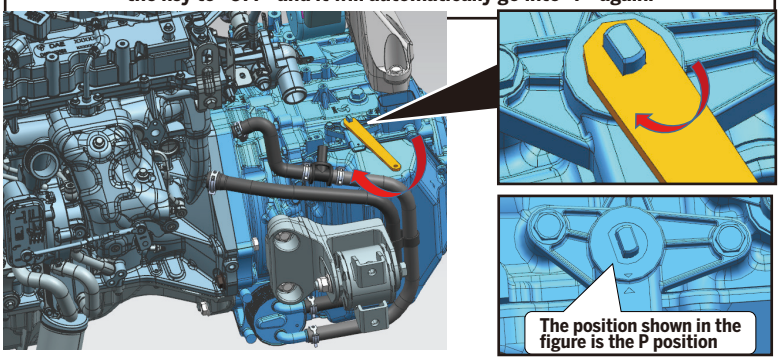
1. Select the flattest possible surface near the vehicle.
2. Have someone hold the brake pedal down during the entire process.

**If this is not possible, block the wheels with rocks, wood or other suitable objects to prevent the vehicle from moving unexpectedly.**

3. Use the shift wrench included in the tool kit to insert it into the "flat square" of the transmission shift shaft.
4. Turn the wrench clockwise until you hear a "click" sound, and the rotation angle should not exceed 40° to put the transmission gear in the (N) gear.

**⚠ CAUTION**

**If the key of ignition switch is in "ON", after manually disengaging "P", turn the key to "OFF" and it will automatically go into "P" again.**



## ROLLOVER VEHICLE

Sharp maneuvers, sharp turns, driving on a hillside, or an accident can cause the vehicle to roll over.

If the vehicle rolls over, it must be transported to an authorized Segway dealer for inspection as soon as possible. **DO NOT START THE ENGINE!**

After a rollover, the engine performs the following procedures:

1. Turn off the engine immediately after the vehicle rolls over.
2. Do not start the engine after the vehicle is straightened.
3. Check whether there is oil in the supercharger compressor inlet, intake pipe, intercooler, and intake system. If there is oil, clean it up.
4. Remove the spark plugs of each cylinder and use an endoscope to check whether there is oil in the combustion chamber. If necessary, start the engine to drain the oil in the combustion chamber from the spark plug hole. Run the engine several times and then check with an endoscope.
5. Check the engine peripheral parts for damage.

Other locations that need to be inspected include but are not limited to:

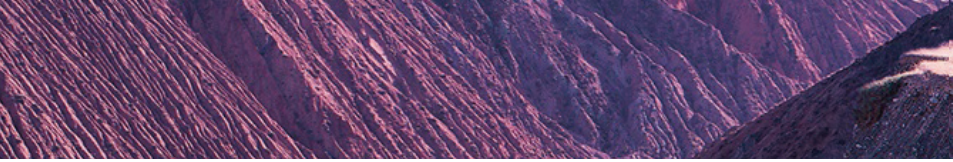
– Liquid levels of various liquids
– Check the air filter box and air filter for contamination
– Seat belts, including retractors, buckles and sliding locking tabs
– Roll cage and its mounting points
– Steering system
– Suspension and its mounting points.

## VEHICLE IMMERSION

If the vehicle is submerged in water, it must be transported as quickly as possible to an authorized Segway dealer only.

**⚠ CAUTION**

**Do not start the engine, as flooding the vehicle may cause serious engine damage if proper restarting procedures are not followed.**



# OPERATION


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KNOW YOUR RIDING AREA/TREAD LIGHTLY ..... 73

VEHICLE BREAK-IN PERIOD ..... 73

BRAKE SYSTEM BREAK-IN PERIOD ..... 73

BELT BREAK-IN PERIOD ..... 73

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DRIVING ON SLIPPERY SURFACES ..... 77

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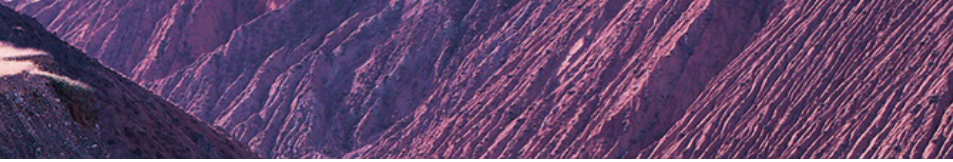
PARKING ON AN INCLINE ..... 80

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# OPERATION


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WINCH OPERATION ..... 90

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 off-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 authorized Segway 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 124mi(200Km) break-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 run-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. When driving this car, make sure that all cab doors are closed and locked.
8. Sit in the driver's seat, fasten the seat belt, and put the transmission in the "P" position.
9. Depress the brake pedal.
10. Start the engine.
11. Place the transmission in (D).
12. Check your surroundings and determine your driving route.
13. Hold the steering wheel with both hands, slowly release the brake, depress the accelerator with your right foot, and start driving.
14. 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.
15. 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 74.
2. Pre-ride check. Please refer to the page 82.
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 12.
6. Ensure all cab doors are closed and locked when driving.
7. Passenger can only sit in the passenger seat when driving.
8. 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.
9. Vehicle handling may change with passengers and/or cargo on board. Allow more time and distance for braking.

## START THE ENGINE

1. Place the vehicle outdoors or on a well-ventilated level surface.
2. Turn the ignition lock switch to the "ON" position.
3. When the gear is in (N) or (P), depress the brake pedal and do not release it.
4. Depress the brake pedal and press the START-STOP button to start the engine.

**NOTICE**

**If the engine fails to start, wait 30 seconds before starting a second time or the starter motor may be damaged.**

**Allow the engine to warm up for a few minutes before operating the vehicle. Operating the vehicle immediately after starting may result in engine damage.**

## ENGINE FLAMEOUT

When the engine is running and the vehicle speed is less than or equal to 5km/h, press the “start/stop button” and the engine stops.

Emergency engine shutdown, engine running and speed greater than 5km/h, press the “start/stop button” for more than 3s, the engine stops.

## 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. Fully release the gas pedal and apply the brake to the bottom.
3. Place the transmission in Park (P) and turn on the parking brake.
4. Turn off the engine.

**NOTICE**

**Improperly parked vehicles can cause serious injuries, so be sure to put the shifter in "P" when parking.**

**After a more strenuous driving session, allow the vehicle to idle for 1-2 minutes to cool the turbine system before shutting off the engine and parking the vehicle.**

## 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

When driving through waterlogged roads on rainy days or when traveling/wading in normal times, make sure the air filter is well sealed, otherwise it may cause water to enter the engine cylinder, resulting in damage to connecting rods and other parts. If you drive your vehicle through water, the water depth should not exceed the foot pedal, and take the following precautionary measures when driving 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 authorized Segway 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 124mi (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 |
|---|---|---|
| Braking system | Ensure correct operation | 29 |
| Brake fluid | Ensure appropriate level | 117 |
| Front balance bar | Check and lubricate if necessary | 134 |
| Rear balance bar | Check and lubricate if necessary | 134 |
| Tire | Check status and pressure | 119 |
| Wheel/fastener | Check to ensure the tightness of fasteners | 121 |
| Nut、bolt、fastener | Check to make sure it's tight | —— |
| Checking the beadlock ring screws | Check to ensure tightness | —— |
| Fuel | Ensure appropriate level | —— |
| Engine oil | Ensure appropriate level | 104 |
| Coolant level | Ensure appropriate level | 114 |
| Coolant pipe | Check leakage | —— |
| Indicator lamps/switches | Ensure correct operation | —— |
| Air intake prefilter | Check ,clean | 126 |
| Front headlight/Brake light/tail light | Check operation | 24 |
| Seat belt | Check the length of the seat belt for damage and check whether the latch is in normal operation | 54~55 |
| Cab door | Check the door and latch for wear or damage. | 56 |
| Winches ( Optional) | Check cables and motors | —— |

# 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.**

**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.**

**⚠ WARNING**

**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.**

## GUIDE TO TRANSPORTATION OF GOODS

When hauling cargo, adhere to the following:

1. Always read and understand the load distribution warnings listed on the warning labels and in this manual. Never exceed the maximum capacity specified for your vehicle.
2. Do not load the cargo box beyond the specified maximum load capacity.

| | |
|---|---|
| **Maximum vehicle load weight (including weight of operator, passengers, cargo and accessories)** | 336 kg |
| **Maximum container capacity** | 136 kg |

## TOWING LOAD

Do not tie heavy objects to roll bars or other accessories for towing, as this could cause the vehicle to tip over.

Use only a winch (if fitted) to tow the vehicle or heavy load.

In an emergency, use a hitch to rescue a trapped vehicle.

**NOTICE**

**Never use the front or rear hitch hooks to pull heavy loads.**
**These hitch points should only be used to rescue a trapped vehicle.**

When towing a load with a tow chain or tow rope, make sure there is no slack before you start towing and maintain tension during towing. The inertia of the load may cause shocks when braking gradually.

**⚠ WARNING**

**A loose tow chain or tow rope can cause it to snap and then snap back.**

When towing another vehicle, make sure someone is in control of the vehicle being towed. They must brake and steer to prevent loss of control of the vehicle.

Refer to the winch manufacturer's instructions before using the winch to tow heavy loads.

Reduce speed and turn slowly when towing a load. Avoid hills and rough terrain. Do not attempt to drive on steep hills. Allow more braking distance, especially on inclined surfaces and when carrying passengers. Be careful not to slide or skid.

# PRECAUTIONS FOR WINCH OPERATION

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 220 lbs. (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.

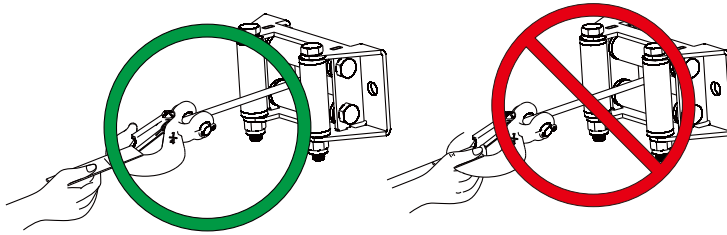
**⚠ WARNING**

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

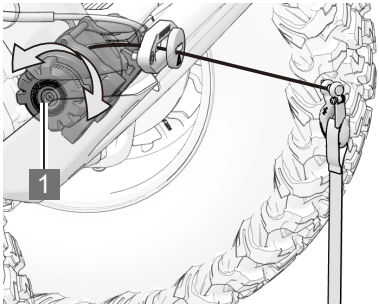
**length to prevent the rope from being over-rolled in or out. When the rope is retrieving, please maintain a certain tension so that the wire can be retracted smoothly and can be wound tightly during retrieving.**

**⚠ 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

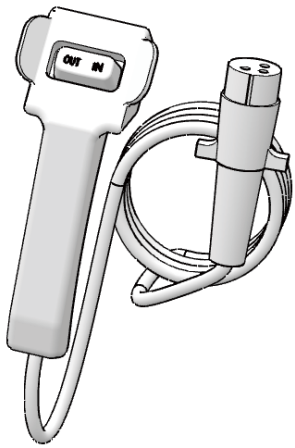



### MANUAL RELEASE SWITCH OF WINCH

**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**

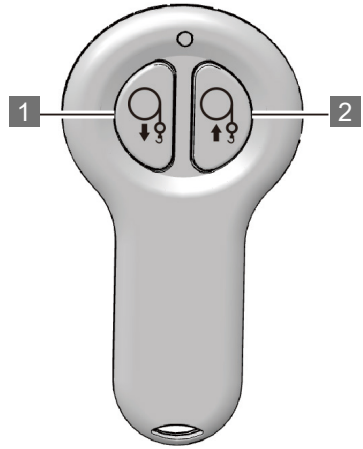
**IN：Recoil the winch cable**

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.**

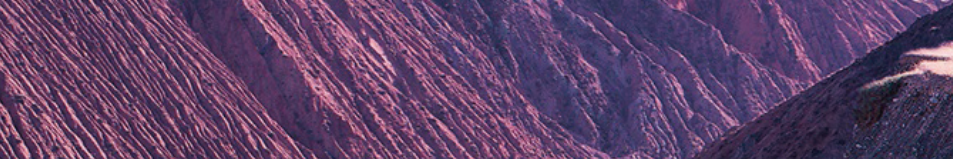
Press the 2 buttons simultaneously without moving for 3S to activate the remote control switch, the indicator light will flash 3 times.

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.



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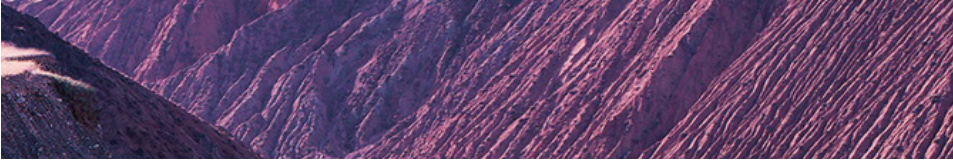
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Good maintenance is essential for safety and driving. Regular maintenance is especially important, and to help you properly care for your vehicle, a maintenance program is provided in this section of the manual.

The maintenance intervals in this program are for normal vehicle operation. If your vehicle is frequently driven on poor roads or conditions, this may make it necessary to schedule maintenance earlier or more frequently. With some mechanical knowledge and basic vehicle tools, many maintenance items are simple to perform yourself. Simple instructions on how to perform maintenance yourself are described in this section.

Please note, however, that certain maintenance tasks require specialized tools and expertise. These tasks are best performed by your dealer. Even if you are experienced in carrying out your own maintenance, we recommend that your vehicle is serviced and maintained by your dealer, who will keep a maintenance record for your vehicle. This record will be useful in the event that you need to make a warranty claim.

**⚠ WARNING**

**Failure to properly follow the maintenance instructions and precautions can result in serious injury or death, so be sure to follow the steps and precautions in this manual.**

# REGULAR MAINTENANCE

Careful scheduled maintenance will help keep your vehicle in the safest and most reliable condition. Inspection, adjustment and lubrication of important components are described in the Periodic Maintenance Chart. Inspect, clean, lubricate, adjust and replace parts as necessary. When inspection reveals the need for replacement parts, use genuine Segway parts, available from an authorized Segway dealer.

Repairs and adjustments are important to the operation of your vehicle. If you are unfamiliar with maintenance and adjustment procedures, have them performed by your Segway dealer. The maintenance intervals in the following table are based on average ride time conditions, and heavily utilized vehicles must be inspected

and serviced more frequently.

Heavy Use Definition:

- **Frequent immersion in mud, water or sand**
- **Frequent or prolonged operation in dusty environments**
- **Short travel cold weather operation**
- **Racing or racing style high RPM use**
- **Long periods of low-speed, heavy-duty operation**
- **Idle vehicles for long periods of time**

**MAINTENANCE CHART KEY**

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

**⚠ WARNING**

**The D-marking process can cause component failure and result in serious injury or death. Have an authorized Segway dealer 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.<br>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 |
| | Front wheel belt | 50 H | 6 M | 500 (800) | Check and, if necessary, replace |
| | 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 |
| | Transmission self-learning | | | 1000 (1600) | Execute transmission self-learning program |
| 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 |
| D ► | Transmission fluid change | | 12 M | 3100 (5000) | Replace the fluid; |
| ► | 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 |

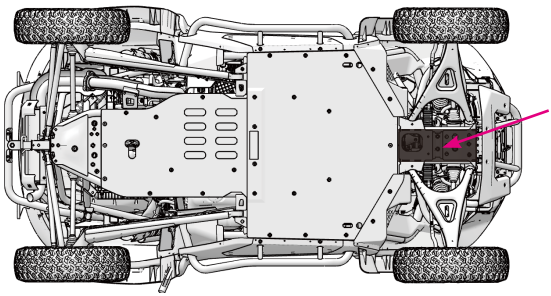
# LIFTING AND SUPPORTING VEHICLES

### FRONT OF VEHICLE

Place the vehicle on a flat and non-slip surface.

Enable 4WD mode.

Make sure the vehicle gearshift is placed in the PARK position.



**Schematic diagram of hydraulic jack support position at the front of the vehicle**

Lift the front of the vehicle and install one jack stand on each side under the frame.

Lower the hydraulic jacks and make sure the vehicle is securely supported on both jack stands.

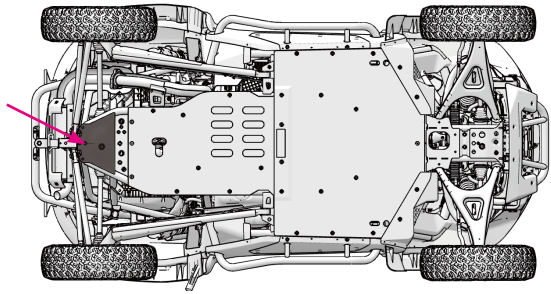
**REAR OF VEHICLE**

Place the vehicle on a flat and non-slip surface.

Activate 4WD mode.

Make sure the vehicle shift is placed in the PARK position.

Install a hydraulic jack under the vehicle.



**Schematic diagram of the hydraulic jack support position at the rear of the vehicle**

Lift the rear of the vehicle and install one jack stand on each side under the frame.

Lower the hydraulic jacks and make sure the vehicle is securely supported on both jack stands.

# 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 models | uantitative (science) | Inspection program |
|---|---|---|---|
| Engine oil | SN/GF-5， 5W-30 full season | 5000 mL | Stay level within the safe range of the dipstick. |
| Front axle gear oil | SAE 80W-90 | 610 mL | —— |
| Rear axle gear oil | SAE 80W-90 | 520 mL | |
| Transmission oil | DAE ATF-1 or DAE ATF-2 | 4700mL | —— |
| Engine coolant | ECO BS -35 ℃ greener | 15000mL | Keep the level between the fill lines. |
| Intercooler coolant | ECO BS -35 ℃ greener | 4000 ml | Keep the level between the fill lines. |
| Brake fluid | MOTUL RBF 660 DOT4 | —— | Keep the level between the fill lines. |
| Suspension, balance bar grease | Semi-synthetic waterproof gGrease | —— | Grease fittings (2 pumps max.) Every 800 km. |

# ENGINE OIL MAINTENANCE PROGRAM

Be sure to check and change the oil at the time required by the regular maintenance chart. Be sure to use 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 at every oil change.

It is recommended that a higher grade of the recommended type of oil be used for this engine. Follow manufacturer's recommendations for ambient temperature operation.

See Fluid Recommendations, Capacity, and Blocking Torque in the Lubricant Guide section.

**⚠ CAUTION**

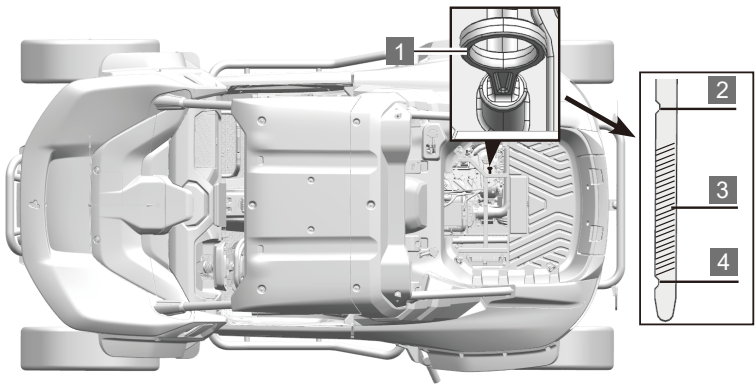
**Mixing brands or using non-recommended oils can cause serious engine damage. Always use the recommended oil and never use a blend of oils.**

## ENGINE OIL LEVEL CHECK

**NOTICE**

**Insufficient oil will make the engine oil pressure too low, resulting in poor lubrication, increased engine wear and poor cooling, prone to failure and affect the engine life.**

The oil level dipstick is located under the cargo box service cover.




1 **Oil level scale**
2 **High oil level marker**
3 **Recommended oil level area**
4 **Low oil level marker**

Remove the rear cargo box service cover and the oil dipstick is located underneath.

1. Park the vehicle on a level surface with the engine at a stop.
2. Make sure the vehicle is cold.
3. Remove the dipstick and check that the oil level is between the MAX and MIN marks on the dipstick. Wipe the dipstick clean, pump it back in, then remove it and check the oil level.

The oil level is checked as shown in the figure below: the oil level between MAX position and MIN position is the proper oil level, lower than MIN indicates that the oil quantity is too low, more than MAX indicates that the oil quantity is too full, too low or too full is not suitable.

4. Clean the dipstick, then pump it back in and tighten it.

5. If the oil level is near or below the lower oil level mark, add the proper amount of oil.

## ENGINE OIL CHANGE

**NOTICE**

**Change the oil filter at every oil change.**

Refer to Fluid Recommendations table for capacity and plug torque. Check oil level periodically, referring to the Interval Maintenance Schedule times, and add engine oil of the same type as that already in the engine if the oil level is below or near the low oil mark. Change the oil filter at every oil change.

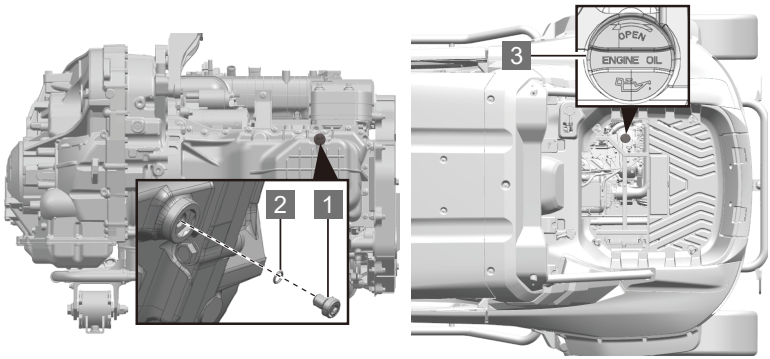
**⚠ WARNING**

**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.**

The oil drain plug is located at the bottom of the engine and the oil filler cap is located under the cargo box service cover.




1 Drain plug 2 Oil drain bolt gasket 3 Oil filler cap

**⚠ WARNING**

**Hot oil can cause skin burns. Don't let hot oil touch the skin**

1. Remove the oil filler cap on the engine rocker cover or the oil filler cap on the oil filler tube.
2. Remove the oil drain screw on the engine oil pan and drain the oil.
3. Replace the oil drain bolt gasket with a new one.
4. Tighten the oil drain bolt.

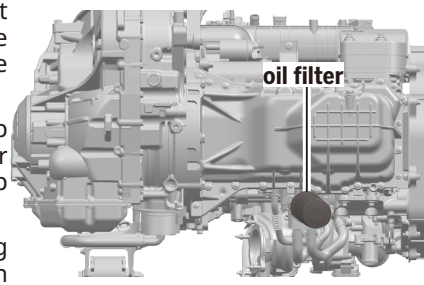
| Drain plug torque | 40-50 N.m |
|---|---|

5. Fill the crankcase with new oil from the oil filler neck.
6. Pull the dipstick from the engine and check that the oil level is between the MAX and MIN marks.
7. Install the oil filler cap.
8. Check the oil level again after the road test.

**OIL SELECTION: SN/GF-5, 5W-30 All Season.**

## CHANGING THE OIL FILTER

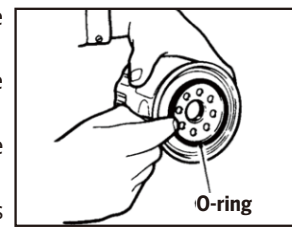
1. Start the engine and let it run warm until the engine coolant temperature reaches 80-90°C.
2. Remove the oil filler cap on the engine rocker cover or the oil filler cap on the oil filler tube.
3. Remove the oil drain plug from the oil pan to drain the oil.

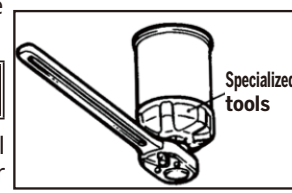



**⚠ WARNING**

**Hot oil can cause skin burns. Do not allow hot oil to come into contact with the skin.**

4. Remove the engine oil filter using the special tool shown in the table below.
5. Clean the mounting surface on the side of the filter bracket.
6. Apply a small amount of oil to the o-ring of the oil filter.
7. As soon as the o-ring of the oil filter touches the flange, tighten it to the specified torque with the special tool shown.




| Oil filter torque | 30 N.m |
|---|---|

8. Install oil drain plug in oil pan and fill with oil from oil filler port in rocker arm chamber.
9. Run the engine at high speed 2-3 times, then check that the filter mounting surface is impervious to oil.

# TRANSMISSION SELF-LEARNING PROGRAM

The main purpose of gearbox self-learning is to correct hardware differences and wear through self-learning, and improve the driving experience. Through self-learning functions, the gearbox can adapt to these hardware differences and optimize shifting strategies by analyzing shifting data, thereby improving driving smoothness and comfort.

To ensure a more comfortable driving experience, perform transmission self-learning every 1600 km or when the “Transmission Self-Learning” message appears on the instrument cluster.

Perform the following program for self-learning operations:

**1. Study condition**

The whole vehicle has completed the inspection and there is no TCU, ECU fault code, the vehicle is in Normal mode.

The transmission oil temperature in the “Vehicle Status” of the center control screen is between 40℃ and 100℃.

Recommended for flat and straight sections of road, but also test chassis and loop flat roads.

Complete a self-learning session after each service on a new vehicle, a new transmission (or a 3-minute power-down after a transmission program update), and the entire vehicle.

**2. Self-learning shift**

Idle in N, apply brakes deeply, put in D, shift to N after 3 seconds, release brakes after 3 seconds. Repeat 4 more times.

Idle in N, press the brake deeply, put it in R, shift to N after 3 seconds, release the brake after 3 seconds. Repeat 4 more times.

**3. Start self-study**

Hang the D gear to start, when the car speed 5km/h, light brake to deep brake stop. Cycle 4 times.

Starting in R gear, speed 5km/h, light brake to deep brake stop. Cycle 4 times.

**4. Self-learning for up and down gears**

Smooth start in D. t 10km/h, step on about 1/4 throttle and hold throttle, move up to 5th gear and release throttle, coast without brake to D1. repeat 4 more times.

Start smoothly in D. When the vehicle speed is 10km/h, step on about 1/2 throttle and keep the throttle, then release the throttle after upgrading to 7th gear and coast to D1 without brake. repeat 4 times.

**5. To clear the "Transmission relearn required" message**

1、With the vehicle powered off, press and hold the right instrument button for more than 3 seconds, then turn on the ignition switch to clear the message.

2、Clear via the mobile APP.

**NOTICE**

**If the throttle opening is not easy to grasp, you can check the "vehicle status" in the center control screen.**

**If you can't go up to the target gear, you can slow down the accelerator. If the coasting distance is limited, brake lightly in the second half of the coasting.**

# TRANSMISSION FLUID MAINTENANCE PROGRAM

Referring to the Interval Maintenance Chart, the transmission fluid should be changed every one (1) years or after 5000 KM. If the driving conditions are harsh, it needs to be replaced after 3000 kilometers.

This procedure should be performed by an authorized Segway dealer or repair shop.

# FRONT/REAR AXLE OIL MAINTENANCE PROGRAM

Check and replace front and rear transaxle drive fluids at intervals in the Periodic Maintenance Schedule. If any leaks are found, contact a Segway dealer to have the vehicle inspected and repaired.

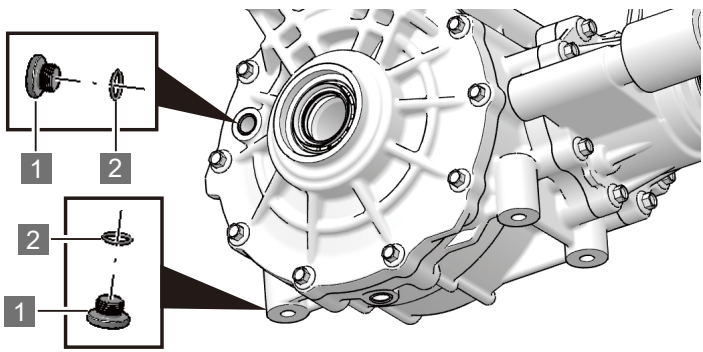
If the four-wheel drive is in extreme use, change the front gearbox fluid every 25 hours, with extreme use including any of the following:

- Continuous operation in four-wheel drive
- Extended use of four-wheel drive mode in mountainous areas
- Main operating mode is four-wheel drive mode

**NOTICE**

**If the front axle makes too much noise during four-wheel drive operation, the drive fluid needs to be replaced. If the noise persists, contact your Segway dealer.**

## FRONT AXLE OIL CHANGE




1 **Screw plug M14** 2 **O-ring 13.8 x 2.5**

1. Position the vehicle on a level surface.
2. Place a container under the oil drain at the bottom of the vehicle's front axle to collect waste oil.
3. Remove the oil drain plug and o-ring.
4. Wait for the oil to drain, reinstall the plug and o-ring, and replace the o-ring with a new one.

**NOTICE**

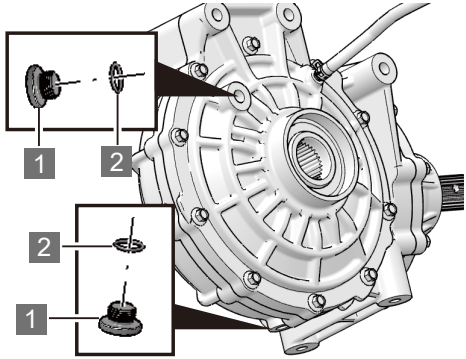
**O-ring seals are not reusable. Always replace them with new parts.**

Torque to the required value:

| | |
|---|---|
| **Screw plug M14 torque** | **16-20N.m** |

5. Remove the screw plug and O-ring seal at the oil filler.
6. Add the proper amount of the recommended type of oil.
7. Reinstall bolt plug and O-ring and replace with new O-ring. Torque to required value.
8. Check for leaks. Dispose of used fluid properly.

## REAR AXLE OIL CHANGE




1 **Screw plug M14** 2 **O-ring 13.8 x 2.5**

1. Position the vehicle on a level surface.
2. Place a container under the oil drain at the bottom of the rear axle of the vehicle to collect the waste oil.
3. Remove the oil drain plug and o-ring.
4. Wait for the oil to drain, reinstall the plug and o-ring, and replace the o-ring with a new one.

| NOTICE |
| --- |
| **O-ring seals are not reusable. Always replace them with new parts.** |

Torque to the required value:

| | |
| --- | --- |
| **Screw plug M14 torque** | **16-20N.m** |

5. Remove the screw plug and O-ring seal at the oil filler.
6. Add the proper amount of the recommended type of oil.
7. Reinstall bolt plug and O-ring and replace with new O-ring. Torque to required value.
8. Check for leaks. Dispose of used fluid properly.

# COOLING SYSTEM

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

**⚠ CAUTION**

**The cooling system includes water pumps, water hoses, clamps, etc. When the engine is running, there must be enough coolant in the cooling system to ensure the normal operation of the engine, otherwise the engine will be too hot. Engine working in overheating conditions, will affect the service life, and in serious cases will cause cylinder Scoring and other serious failures.**

**Check the radiator hoses from time to time for leaks or any damage. Replace as necessary.**

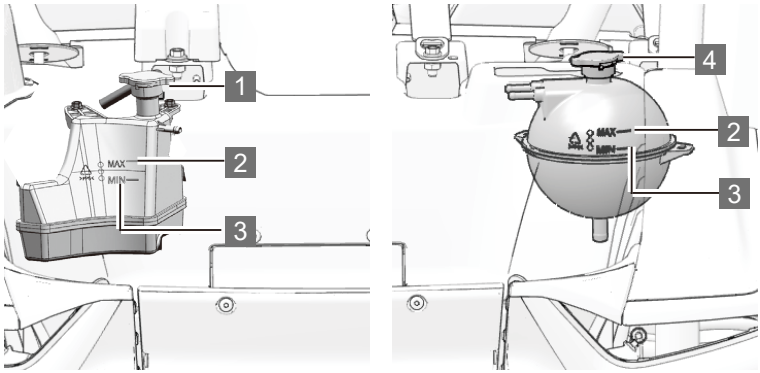
## INSPECTION OF COOLANT IN COOLANT TANK

The vehicle has two cooling systems, one to cool the engine and transmission, and the other to cool the intercooler system.

The vehicle's left expansion coolant tank can observe the coolant level of the intercooler cooling group, and the right expansion coolant tank can observe the coolant level of the engine cooling group.

**⚠ CAUTION**

**Vapor spillage can cause burns. Do not remove the pressure cap when the engine is warm or hot. The engine must be allowed to cool before removing the pressure cap.**




**1 Expansion tank (intercooler) pressure cap** **2 MAX** **3 MIN**

**4 Expansion tank (engine) pressure cap**

If coolant level is low, remove pressure cap and add coolant as needed. Maintain coolant level between the minimum mark "MIN" and maximum mark "MAX" on the tank (as fluid cools).

The engine cooling system fill port is located on the right front side of the cargo box and the intercooler cooling system fill port is located on the left front side of the cargo box.

Make sure the engine is cooled before filling the coolant.

1. Unscrew the pressure cap and fill in new coolant, be careful to observe the coolant position when filling, do not exceed the maximum fluid level.
2. Reinstall the pressure cap.

**⚠ CAUTION**

**After the vehicle is driven on poor road conditions (such as mud, sandy roads, etc.), check and clean the mud stains and small stones and other debris on the radiator fins, so as not to affect the cooling effect of the radiator.**

**Be careful not to damage the radiator fins when cleaning. Use a low-pressure water stream. Do not use a high-pressure cleaning device. Do not use any tools that may damage the heat sink.**

## COOLANT REPLACEMENT OF COOLING SYSTEM

To ensure that the cooling system maintains its ability to protect the engine, we recommend that the system be completely drained every five (5) years with the addition of a new coolant 50/50 premix.

This procedure should be performed by an authorized Segway dealer or service center, etc.

# BRAKE SYSTEM

The front and rear brakes are hydraulic disc brakes and these are self-adjusting.

As the brake pads wear, the brake fluid level will drop, as will leaks in the system.

**⚠ WARNING**

**The brake fluid level must be checked periodically:**

**An overfilled brake cylinder may cause brake resistance or brake lockup, which could result in serious injury or death. Keep brake fluid at the recommended level and do not overfill.**

**Brake disc brake pads must be checked regularly for wear:**

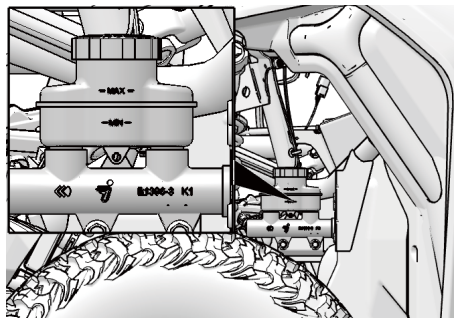
**If the brake pads are worn, they should be replaced.**

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

1. Always keep the brake fluid at an appropriate level. Please refer to master cylinder/brake fluid section for details.
2. Check the braking system for liquid 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

The hydraulic auxiliary brake system does not require adjustment. Check the brake fluid level in the auxiliary brake system frequently by looking at the brake fluid from the front left brake fluid sight hole cover. If the level is low, do the following.




**MAX Level** **MIN Level**

Brake fluid is best located between the maximum level and the minimum level, if it is below the minimum level, remove the front filler cap and add the recommended brake fluid, observe the fluid level position and do not exceed the maximum level.

**Use the recommended brake fluid:**

| | |
|---|---|
| **Brake fluid** | **Use MOTUL RBF660 (boiling point 325°C, wet boiling point 204°C) motor vehicle brake fluid conforming to FMYSS 116 DOT4, SAE J1703A&1704, or DOT4 motor vehicle brake fluid of equivalent boiling point.** |

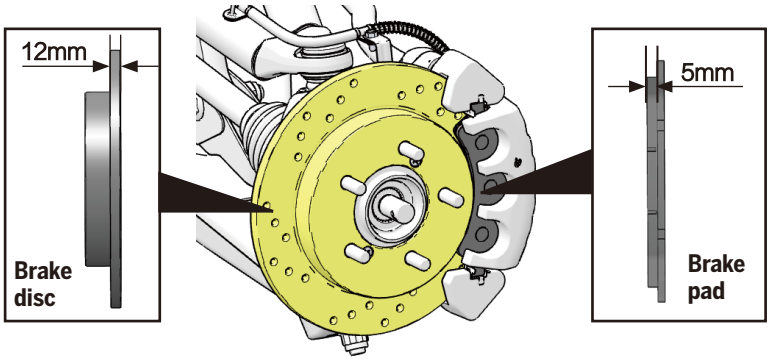
***NOTICE***

**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 PADS AND BRAKE DISCS

Brake pads and discs wear will depend on the severity of use and driving conditions. Brake pads wear faster in wet and muddy conditions. Regularly check the wear of the brake pads and discs according to the maintenance intervals table. If the brake pads and discs are worn beyond the required values, the brake pads and discs must be replaced.




| | | |
|---|---|---|
| Brake Pad Thickness | Standard thickness | 5.0 mm |
| | Minimum thickness | 1.5 mm |
| Brake Disc Thickness | Standard thickness | 12.0mm |
| | Minimum thickness | 10.0mm |

# 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:

| Recommended Tire | Front Tire | Rear Tire |
|---|---|---|
| Pressure | 22.0 psi (150 kPa) | 22.0 psi (150 kPa) |

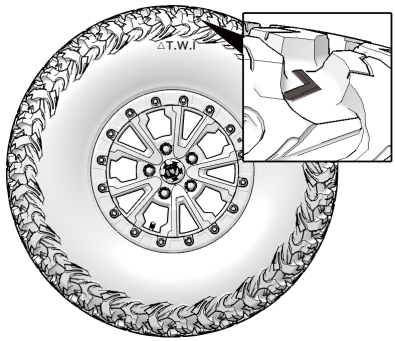
## GUIDELINES FOR CHECKING TIRE PRESSURE

Please observe the following when checking tire air pressure:

- Check only after the tires have cooled down.
- If the vehicle has been parked for at least 3 hours or has not been driven for more than 1.5km (kilometers), checking at this time will give an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge. The appearance of the tire can sometimes be misleading. In addition, under-inflating a tire by even a few pounds of air may affect ride and handling.
- Do not lower tire pressure after driving. It is normal for tire pressure to increase after driving.

## TIRE TREAD DEPTH

Observe the shoulder of the tire to find the tire wear limit warning mark “T.W.I”, follow the triangular symbol mark to see that the tire tread has a corresponding bulge, when the tread block camber is worn to the position of the bulge, the tire should be replaced, otherwise it will be due to the lack of strength, the tire will be blown out in the middle of the day.




**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.

## WHEEL REPLACEMENT

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 COMPONENT REMOVAL




1. Stop the engine.
2. Place gearshift in (PARK).
3. Brake the parking brake.
4. loosen, but do not remove the 5 wheel mounting nuts with the tool first.
5. Raise the side of the vehicle by placing a suitable bracket under the kickstand frame.
6. Loosen the wheel mounting nuts.
7. Remove the entire wheel.

### WHEEL COMPONENT INSTALLATION

1. First place the tire in the mounting position and screw the 5 wheel mounting nuts onto the wheel bolts in sequence.
2. Pre-tighten the bolts again with a tool in diagonal position.
3. Tighten with a torque wrench to the specified torque.

| Wheel Mounting Nut | 120-130N.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**

**Prohibit the use of tires with sizes different from those provided at the factory. Changing the transmission ratio may result in damage to the gearbox.**

| | Front wheel | Rear wheel |
|---|---|---|
| Factory wheel size | 32×10.00R15 | 32×10.00R15 |
| | 35×10.00R16 | 35×10.00R16 |

## TIRE REPLACEMENT

Tires should be replaced by an authorized Segway dealer, repair shop, or person of your choice.

**⚠ WARNING**

- **Replace only tires of the same type and size as the original.**
- **For unidirectional tread patterns, make sure that the tire is mounted in the correct rotation direction.**
- **Tires should be replaced by experienced personnel using tools in accordance with tire industry standards.**

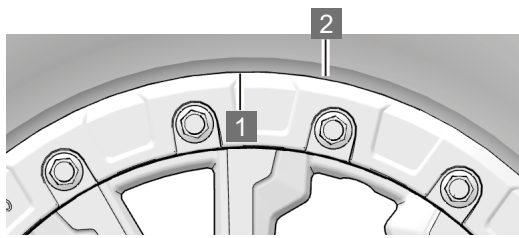
### INSTALLATION OF TIRE ON WHEEL WITH ANTI-DETACHMENT RING

1. Installing tire on wheel
   - On the opposite side of the beadlock ring, apply tire mounting lubricant to the inner bead of the tire and the wheel to ensure proper seating of the tire during inflation. Mount the inner bead of tire on the wheel.

**⚠ CAUTION**

**Mount the tire from the beadlock ring side only.**

   - Place the outer bead of the tire on the convex shoulder of the inner ring of the beadlock ring and in the center of the tire.



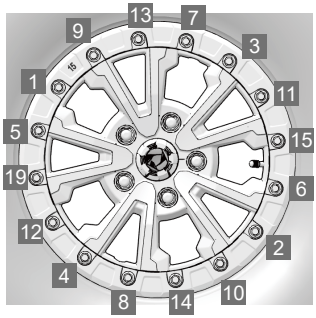

1 **Tire outer bead** 2 **Beadlock inner ring convex shoulder**

2. Install all beadlock ring screws. To avoid misclamping, install all screws by hand.

**⚠ CAUTION**

**Never use an impact wrench to install beadlock screws. There is a higher risk of screw breakage or screw damage when using an impact wrench.**

3. Tighten the beadlock screws in the following instructions and sequence.




***NOTICE***

**To ensure even force on the beadlock ring, tighten the screw only a few turns at a time.**

| | |
|---|---|
| **Beadlock ring screws (first tightening torque)** | **14 N•m ± 1 N•m** |

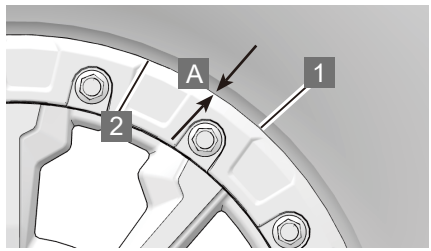
4. At this point, check that the tire is still between the wheels. Reset if necessary.
5. Tighten the beadlock ring screws in the same order and to the second tightening torque.

| | |
|---|---|
| **Beadlock ring screws (second tightening torque)** | **25 N•m ± 1 N•m** |

**NOTICE**

**The bead locking ring should contact the inner bead ring. The bead locking ring may be bent slightly to match the tire bead. This is normal.**

6. Check the clearance between the tire and the bead locking ring, which should be approximately the same around the locking ring.




**1 Tires** **2 Anti-slip ring locking ring edge**

**A The gap around the locking ring of the anti-disengagement ring is the same**

If the clearance fails:

- Loosen all screws.
- Check the position of the tire on the wheel and reset as necessary.
- Re-tighten in sequence as per instructions.

7. Tighten the striker screws one last time in the sequence described.

| | |
|---|---|
| **Anti-tamper screw (last tightening torque)** | **25 N•m ± 1 N•m** |

8. Inflate the tire to seat the inner bead on the wheel. Always use safety measures, such as tire safety covers.

**⚠ WARNING**

**Do not exceed the maximum recommended tire pressure when seating the bead.**

# AIR FILTER

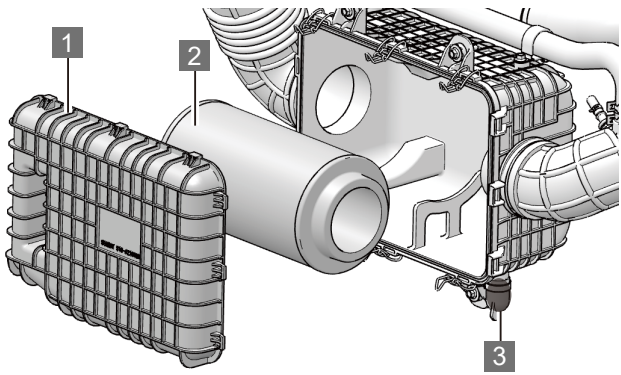
## AIR FILTER CARTRIDGE INSPECTION

Check air filter element for clogging and damage.

1. Check the air filter element for obstruction and damage.
2. Remove dirt deposited on the filter element as follows.
   - Tap the side of the element gently.
   - Blow compressed air from the inside of the element.
3. Scrape off the dirt from the inside of the air filter.
4. If you are reusing an old filter element, install it so that the oiled portion of the filter element is located at the air inlet (to prevent oil from spreading).

## AIR FILTER REPLACEMENT

Air filter cartridge replacement can be done from the left rear wheel of the vehicle.




1 Air filter cover 2 Filter cartridge 3 Air filter plug

1. Remove the air filter cover by pressing the plastic tabs around the air filter cover inward.
2. Remove the old air filter cartridge.
3. Clean the inside of the air filter housing of any contaminants, if there is any water buildup, pull out the air filter plug, drain the water and reinstall the plug.
4. Install a new filter cartridge.
5. Reinstall the air filter cover.

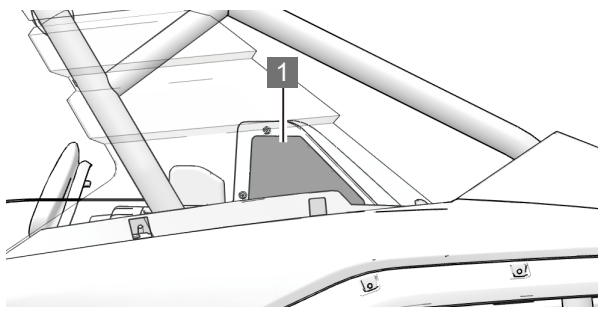
**⚠ WARNING**

**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

Check the air filter intake cover frequently.

The air filter intake hood is located on the left side of the cargo box.




**1 Air filter intake manifold mouthpiece**

Do not cover the air filter inlet shroud. Clean as necessary and replace if damaged.

# LAMP

**⚠ CAUTION**

**Poor lighting can lead to reduced visibility while driving. The headlight and taillight lenses become dirty during normal operation. Clean the headlamps frequently and replace burnt-out headlamps promptly.**

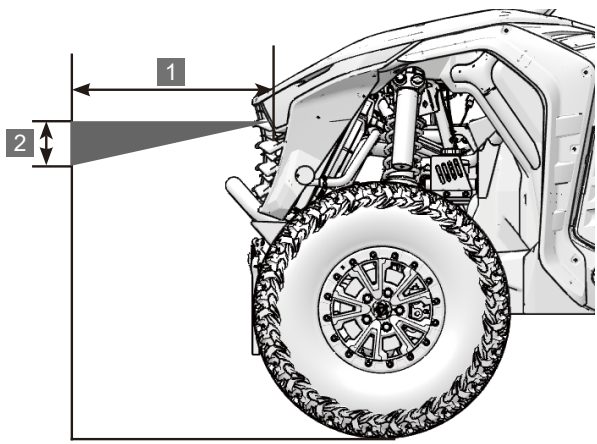
**To ensure optimum visibility, always make sure that the lights are properly adjusted.**

The headlights and taillights are LEDs (Light Emitting Diodes). The reliability of this technology has been proven.

In the event that these lights do not work, have an authorized Segway dealer, repair shop, or person of your choice perform an inspection.

## HIGH BEAM ADJUSTMENT

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

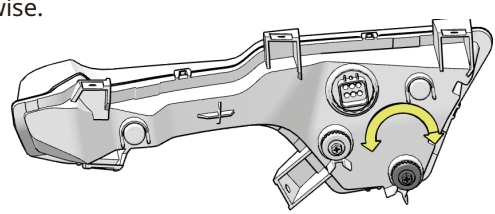


1. Place the vehicle on a level surface with the headlamps positioned 1 approx. (10 m).
2. Measure the distance from the floor to the center of the headlights and mark the wall at the same height.
3. Start the engine. Convert the headlight switch to high beam.
4. Observe the headlamps aiming at the wall. The strongest part of the headlight beam should be 5 cm 2 , below the mark on the corner of the wall, measured with the rider's weight included on the seat.

## HEADLIGHT BEAM UP/DOWN ADJUSTMENT

To raise the headlight beam, turn the headlight speed adjustment screw counterclockwise.

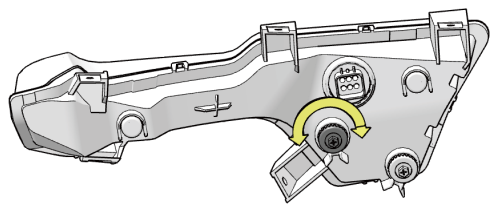
To lower the headlight beam, turn the headlight speed adjustment screw clockwise.



## HEADLIGHT BEAM LEFT/RIGHT ADJUSTMENT

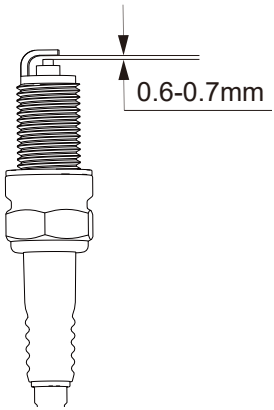
To headlight beam to the left, turn the headlight speed adjustment screw counterclockwise.

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



# SPARK PLUG

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




**⚠ CAUTION**

**Using non-recommended spark plugs can cause serious engine damage. Always use the recommended spark plugs or their equivalent. Replace all 4 spark plugs at the same time when replacing them.**

| Spark Plug | |
|---|---|
| Model | SIFR6B7G |
| Spark Plug Gap | 0.6-0.7 mm |
| Spark Plug Torque | 27.5 ± 2.5 N.m |

## SPARK PLUG REMOVAL

**⚠ CAUTION**

**Hot exhaust systems and engines can cause burns. Wear protective gloves when removing spark plugs for inspection.**

The spark plug is located under the rear cargo box service cover, remove the rear cargo box service cover first:

1. Disconnect ignition coil connector.
2. Remove ignition coil retaining bolt.
3. While pulling up on the ignition coil, turn the ignition coil from side to side to remove the ignition coil and gasket from the spark plug.
4. Remove the spark plug by turning it counterclockwise with the special wrench for spark plugs in the tool bag.

## SPARK PLUG CHECK

### NORMAL PLUG

Normal insulator tips are gray, tan, or light brown. There are rarely any burning deposits. Electrodes are not burned or corroded. This indicates adequate engine combustion.

The tip should not be white. A white insulator tip indicates overheating due to improper use of the spark plug or incorrect valve body adjustment.

### NEED TO BE REPLACED

Contaminated insulator tips are black. A moist oil film covers the launching end. There may be a carbon layer over the entire head. Generally, the electrodes are not worn. The usual causes of fouling are excessive oil, use of unrecommended oil or poor fuel quality.

### GAP INSPECTION

Using a gap gauge, check that the electrode gap is within the specified range. If not within the specified range, replace the spark plug.

## SPARK PLUG INSTALLATION

1. Make sure the contact surfaces of the cylinder head and spark plug are free of dirt before installation.
2. Screw the spark plug into the cylinder head by hand, then tighten with a torque wrench and appropriate socket.
3. Reinstall the ignition coil and connect the ignition coil wire speed connector.

| | |
|---|---|
| **Spark Plug Torque** | **27.5 ± 2.5 N•m** |

| | |
|---|---|
| **Ignition coil retaining bolt** | **9 ± 1 N•m** |

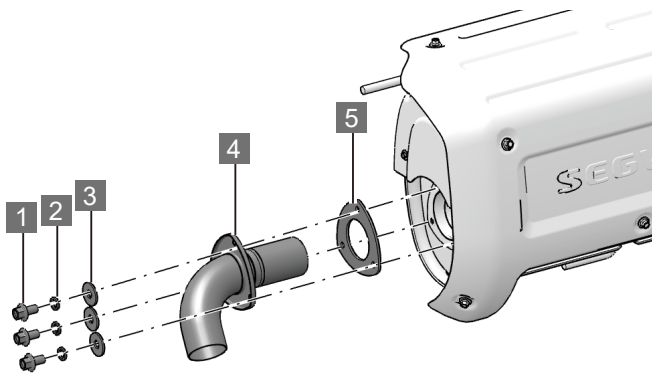
# SPARK ARRESTER

Regular maintenance prevents carbon buildup (failure to do so will reduce engine performance) to ensure proper operation. Spark arrestors prevent random sparks from entering other vehicle parts during engine combustion. Failure to heed the following warnings could result in serious personal injury or death.

**⚠ WARNING**

**Ensure that the exhaust pipe is cool. the engine has just stopped working and overheating of the exhaust pipe can lead to burns. To minimize fire hazards, make sure there are no combustible materials in the area when removing spark plugs. This procedure recommends the use of safety glasses.**

The spark arrestor must periodically remove accumulated carbon as follows:




1 Bolt M6x16 (3 pieces)
2 Bullet pads (3 pieces)
3 Flat washers (3 pcs)
4 Muffler Spark Eliminator
5 shims

Please cool the engine and exhaust first.

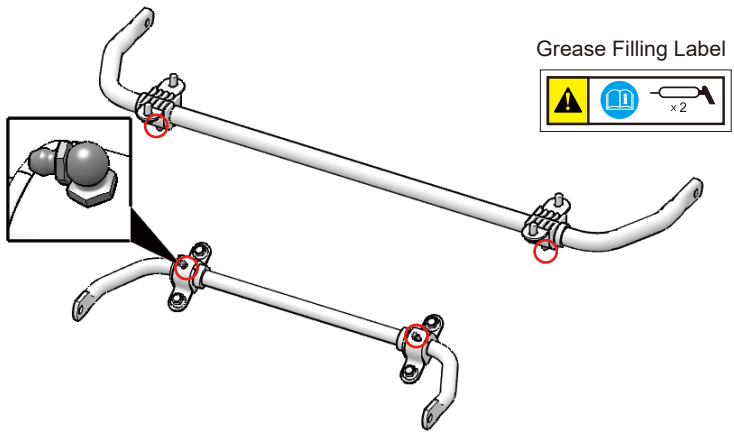
1. Remove 3 pieces of M8*16 bolts, spring washers and flat washers, remove spark arrestor and graphite gasket.
2. Clean the spark arrestor with soap and water and, if necessary, remove all cinders with a wire brush (should be cleaned every 100 hours).
3. If the spark arrestor screen is damaged, replace with a new spark arrestor, which must be supplied by Segway.
4. Reinstall, graphite gasket spark arrestor following the reverse procedure of removal and tighten set screws.

**NOTICE**

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

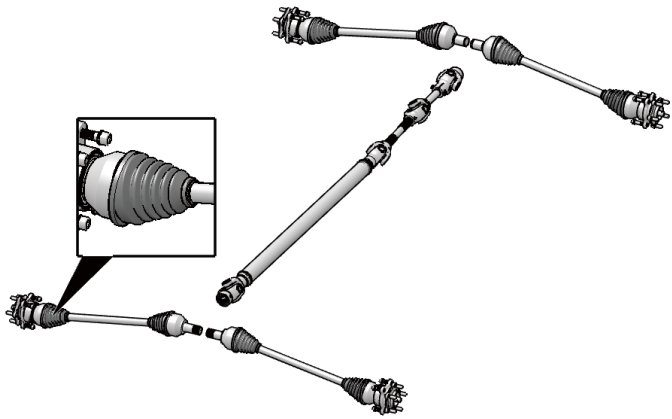
# SUSPENSION DRIVE LUBRICATION

The vehicle's front/rear suspension and counterbalance components are equipped with grease nipples, which need to be adequately lubricated when the vehicle is in motion, and are lubricated by adding the appropriate amount of grease according to the maintenance interval schedule.



# FRONT (REAR) DRIVE SHAFT DUST COVER

Inspect the front and rear driveshaft dust boots for cuts, damage, or grease leaks. If so, contact your dealer for replacement.



# 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:**

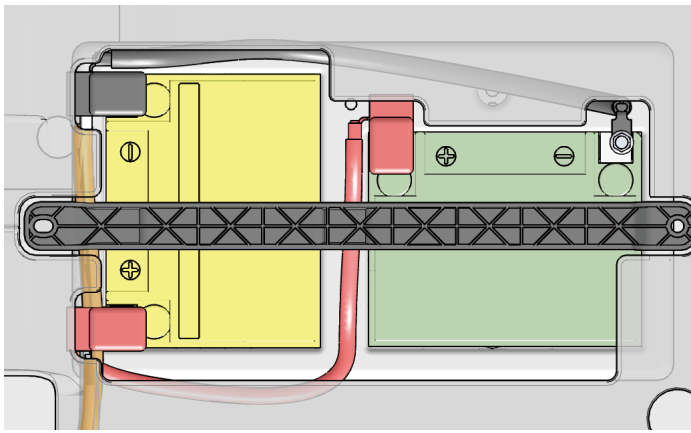
- **Do not smoke or light a match near a 12V battery.**
- **Avoid splashing electrolyte on eyes, skin and clothes.**
- **Wear safety goggles when working near 12V battery.**
- **Keep children away from 12V batteries.**
- **Be sure to charge the 12V battery in an open area.Do not charge a 12V battery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

## BATTERY REMOVAL

The vehicle is equipped with two sets of batteries, the two sets of batteries are connected in parallel mode, if the batteries need to be replaced, the two sets of batteries need to be replaced at the same time.

**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, remove the seat first.

Turn the power off before removing battery.

**Disconnect the vehicle before removing the battery.**

1. Remove the retaining bolts from the battery platen.
2. Remove the battery lever.
3. Flip up the positive and negative protective rubber covers.

4. Remove the negative battery screw and nut and disconnect the black (negative) battery cable.
5. Remove the positive battery screw and nut and disconnect the red (positive) battery cable.
6. Remove the battery from the vehicle.

## BATTERY INSTALLATION

**NOTICE**

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

1. Clean battery cables and terminals with a hard wire brush. Corrosion can be removed with a solution of 1 cup water and 1 tablespoon baking soda.Rinse well and dry thoroughly.
2. Put the battery in the tray.
3. Connect and tighten the red (positive) cable and put the insulated rubber sleeve in place.
4. Connect and tighten the black (negative) cable and put the insulated rubber sleeve in place.
5. Install the battery press plate.
6. Tighten the battery clamp bolt.
7. 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:**

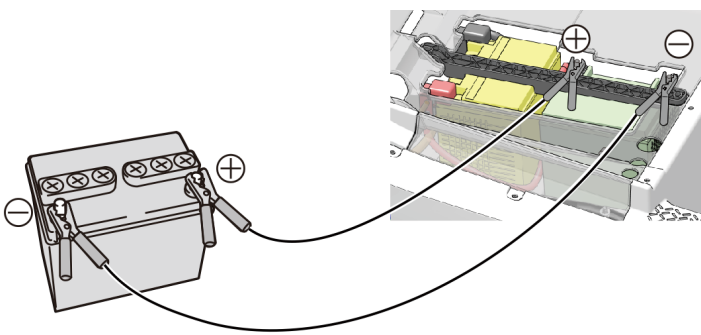
**If charging the 12V battery is still installed in the vehicle, be sure to disconnect the ground cable.**

**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 emergency situations :**

1. Connect the positive jumper cable's clip to the vehicle's dedicated jumper starter terminal.
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. Connect the clamp on the other end of the negative cable to a sturdy, stable, unpainted metal end away from the dedicated jumper starter and any moving parts, as shown.



5. Start and idle the engine of the powered vehicle.
6. Start your vehicle in the usual manner. If the engine does not start, wait a few minutes and then repeat this attempt to protect the starter motor and power supply vehicle battery.
7. After starting a vehicle with a depleted battery, allow both vehicles to idle for a few minutes before disconnecting the jumper cables.
8. Remove the jumper wires in the reverse order of connection.

# 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.**

## FUSE/RELAY DISTRIBUTION AND RATED AMPERAGE

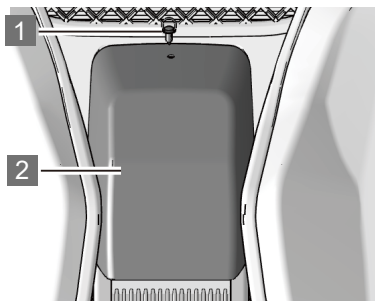
There is a. You can refer to the fuse distribution label on the top of the fuse box cover to find a fuse of the same power for replacement.

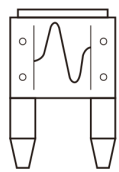
## FUSE BOX

The vehicle is equipped with two fuse boxes, both of which are located under the center inspection cover between the driver's and passenger's seats.

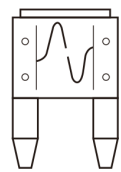
Remove the B-shaped expansion buckle assembly from the top of the center inspection cover, and then remove the center inspection cover.

Open the fuse box by moving the tabs on the left and right sides of the fuse box cover to the outside and loosening the tabs.



Ormal fuse



Blow fuse

1 B-Shape Expansion Buckle Assembly 2 Center caps

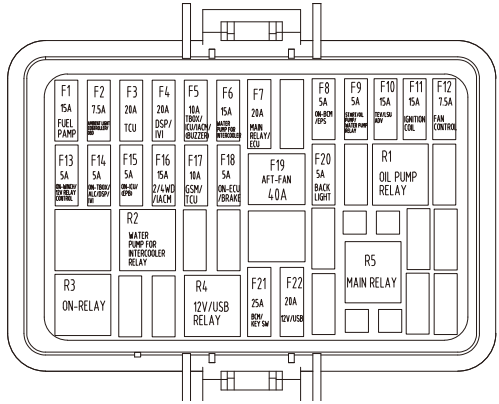
**NOTICE**

**Pay attention to the direction of installation.**
**The label may be slightly different from the image below.**

## FUSE/RELAY DISTRIBUTION AND AMPERE RATING

A fuse distribution label is affixed to the top of the fuse box cover. You can refer to the function and rating of the fuses on the label to find the corresponding fuses for replacement.

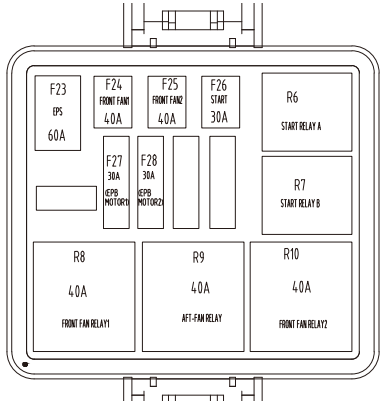
## FUSE BOX （A）




| NO. | Instruction | Rating |
|---|---|---|
| F1 | fuel pump | 15A |
| F2 | Ambient Lighting Control Module/Diagnostic Port | 7.5A |
| F3 | TCU | 20A |
| F4 | Amplifier/Center Control | 20A |
| F5 | T-BOX/Instrumentation/ Auxiliary Module/ （Buzzer） | 10A |
| F6 | Intercooler Electronic Water Pump | 15A |
| F7 | Main Relay/ECU | 20A |
| F8 | ON-BCM/EPS | 5A |
| F9 | On-start/Oil Pump/fuel pump relay | 5A |
| F10 | oxygen sensor/Carbon canister solenoid valve | 15A |
| F11 | Ignition coil | 15A |
| F12 | Fan control | 7.5A |
| F13 | Winch/12V power supply | 5A |

| NO. | Instruction | Rating |
|---|---|---|
| F14 | ON-TBOX/Ambient Lighting Control Module/ Center Control | 5A |
| F15 | ON-Instrumentation/ （EPB） | 5A |
| F16 | 2-4WD/Differential lock solenoid valve/Auxiliary Module | 15A |
| F17 | Shifter/TCU | 10A |
| F18 | ON-ECU/Brake switch | 5A |
| F19 | Rear fan | 40A |
| F20 | backlight | 5A |
| F21 | BCM/Ignition switch | 25A |
| F22 | 11V power supply/USB | 20A |
| R1 | Oil Pump Relay | 12V 20A |
| R2 | Intercooler Electronic Water Pump Relay | 12V 20A |
| R3 | ON Stall Relay | 12V 20A |

**FUSE BOX（B）**




| NO. | Instruction | Rating |
|---|---|---|
| F23 | EPS | 60A |
| F24 | Front fan 1 | 40A |
| F25 | Front fan 2 | 40A |
| F26 | Starter relay | 30A |
| F27 | (EPB Electric motor 1) | 30A |
| F28 | (EPB Electric motor 2) | 30A |
| R6 | Starter relay A | 12V 30A |
| R7 | Starter relay B | 12V 30A |
| R8 | Front fan 1 relay | 12V 40A |
| R9 | rear fan relay | 12V 40A |
| R10 | Front fan 2 relay | 12V 40A |

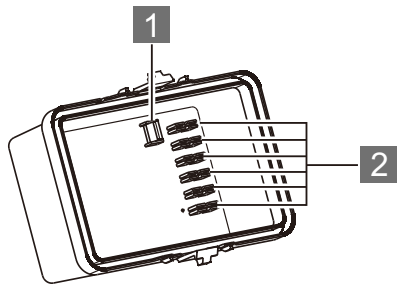
## FUSE BOX REPLACEMENT

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.

## TRANSPORTATION VEHICLES

These procedures should be followed when transporting vehicles.

1. Stop the engine.
2. Place the transmission in Park.
3. Lock the parking brake.
4. Secure fuel tanks, fuel caps.
5. Always securely attach the frame of the vehicle to the transportation equipment with suitable straps or ropes.
6. Remove the key to prevent accidents during transportation.

***NOTICE***

**Towing is only used when the vehicle is out of distress. To transport this vehicle, please use a flatbed trailer, ensure that all 4 wheels are on the trailer, and secure the vehicle.**



# SPECIFICATIONS

TECHNICAL PARAMETERS OF VEHICLE.....149
VEHICLE IDENTIFICATION NUMBER .....152
THE FRAME NAMEPLATE .....153

# TECHNICAL PARAMETERS OF VEHICLE

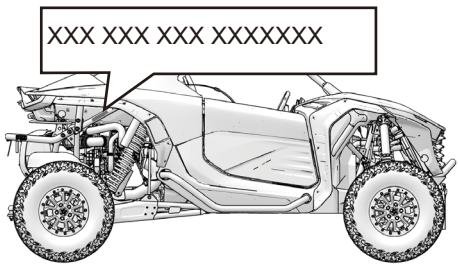
| Projects | | Main parameters | |
|---|---|---|---|
| Length x width x height（mm） | | 3560x1932x1873 | |
| Wheelbase（mm） | | 2654 | |
| Overall mass (of a vehicle)（kg） | | 1300 | |
| Ground clearance（mm） | | 370 | |
| Turning circle diameter（m） | | 12.5 | |
| Steering wheel diameter（mm） | | 310 | |
| Cargo box mass（kg） | | 136 | |
| Spare fuel volume（L） | | 5 | |
| Rim type and specification | Front wheel | 32×10.00R15 | 35×10.00R16 |
| | Rear wheel | 32×10.00R15 | 35×10.00R16 |
| Tire type and specification | Front wheel | Aluminum rim：15×7.0 | Aluminum rim：16×7.0AT |
| | Rear wheel | Aluminum rim：15×7.0 | Aluminum rim：16×7.0AT |
| Tire pressure | Front wheel | 22 PSI（150 kPa） | |
| | Rear wheel | 22 PSI（150 kPa） | |
| Service brake | Type | Hydraulic, Disc | |
| | Operating method | foot control | |
| Parking brake | Type | electronic button | |
| | Operating method | hand-operated | |
| Suspension type | Front | Double wishbone independent suspension | |
| | Rear | Multi-link independent suspension | |
| Shock absorber type | Front | Adjustable damping shock absorbers | |
| | Rear | Adjustable damping shock absorbers | |

| Projects | | Main parameters |
|---|---|---|
| Air filter type | | Paper cartridge type |
| Muffler type | | impedance |
| Rating | | 173 kW |
| Engine speed at rated power | | 5500 r/min |
| Rated torque | | 390 N.m |
| Engine speed at rated torque | | 2000~3600 r/min |
| Engine type | | Liquid-cooled, four-stroke |
| Engine model | | 486MYL |
| Engine capacity（mL） | | 1998 |
| Compression ratio | | 10:1 |
| Cylinder bore (mm) × stroke (mm) | | 86×86 |
| Idle speed | | 800 ±100 r/min |
| Starting method | | Electronic |
| Ignition type | | EFI |
| Spark plug model | | SIFR6B7G |
| Spark plug gap | | 0.6~0.7mm |
| Lubrication method | | Pressure splash |
| Cooling method | | Liquid cooling |
| Engine coolant capacity | | 15000ml |
| Intercooler coolant capacity | | 4000ml |
| Lubricant grade | Engine | SN/GF-5，5W-30 full season |
| | Front axle gear oil | SAE 80W-90 |
| | Rear axle | SAE 80W-90 |
| | Transmission | DAE ATF-1 or DAE ATF-2 |
| Lubricant capacity(mL) | Engine | 5000ml |
| | Front axle gear oil | 610ml |
| | Rear axle | 520ml |
| | Transmission | 4700ml |
| Fuel tank volume（L） | | 46 |

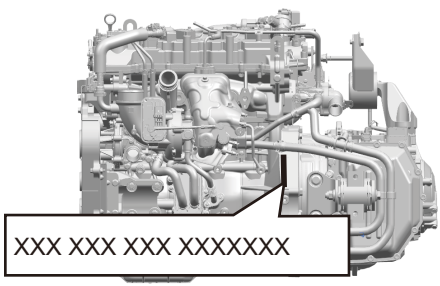
| Projects | | Main parameters |
|---|---|---|
| Headlight | Headlight high beam specification | 15 W |
| | Headlight low beam specification | 7.5 W |
| | Front Position Lamp Specification | 2 W |
| | Daytime running light specifications | 20.25 W |
| | Front turn signal color | 20W |
| Rear tail light | Rear brake light specification | 9 W |
| | Rear Position Lamp Specification | 1 W |
| | Rear Turn Signal Lamp Specification | 10.5 W |
| Rear license plate light color/ specification | | White/2.5 W (Optional) |
| Audio power | | 30W/ piece |
| Battery capacity（V/Ah） | | 12/32 |
| Auxiliary DC Socket | | 12V |
| Instrumentation | | TFT color display |
| Center screen (inches) | | 10.4 |
| safety belts | pilot | Four-point roll-up |
| | crew member | Four-point strap-on |
| Power output mode | | Shaft drive |
| Winch（lb/m） | | 4500（Optional） |

# 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.



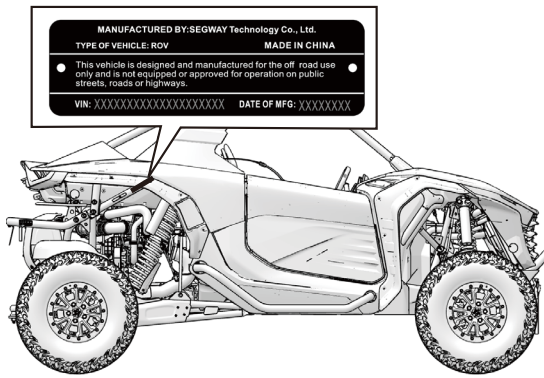

| Frame identification code | |
|---|---|




| 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 activation in the first time.





# TROUBLESHOOTING


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

## ENGINE DOESN'T TURN OVER

| Possible Cause | Solution |
|---|---|
| **Low Efficiency Engine Characteristics** | **Check for clogs or foreign objects in the fuel tank, fuel lines or throttle. Contact your dealer** |
| **TAutomatic jump switches** | **Reset Circuit Breaker** |
| **Low battery voltage** | **Recharge battery to 12.5 VDC** |
| **Loose battery connections** | **Check all connections and tighten** |
| **Loose cable connection** | **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** | **Consult your dealer** |
| **Incorrect spark plug gap or heat range** | **Set gap to spec or replace spark plugs** |

## ENGINE STOPS OR LOSES POWER

| Possible Cause | Solution |
|---|---|
| Overheated engine | Clean radiator<br>Check water cooling systemClean engine exterior<br>Consult 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 and refill fuel system |
| Fuel valve is out of use | Check fuses or contact dealer |
| Old or non-recommended fuel | Replace with new fuel |
| Contaminated or defective spark plugs | Check spark plugs and replace if necessary |
| No spark to spark plug | Inspection or replacement |
| Crankcase filled with water or fuel | Consult 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 | Consult 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** | **Consult your dealer** |
| **Incorrect ignition timing** | **Consult your dealer** |
| **Mechanical failure** | **Consult 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** | **Consult 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 |
|---|---|
| **Fuel tank vent line, filter curled or clogged** | **Inspection and replacement** |
| **Incorrect fuel** | **Replace with recommended fuel** |
| **Clogged air filter** | **Inspect, clean or replace** |
| **Reverse speed limiter malfunction** | **Consult your dealer** |
| **Throttle control failure** | **Consult your dealer** |
| **Other mechanical failure** | **Consult your dealer** |
| **May be caused by thin or rich fuel mixes** | **Consult your dealer** |
| **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** | **Consult your dealer** |
| **Overuse asphyxiation** | **Inspect, clean and/or replace spark plugs** |
| **The fuel has a high octane rating** | **Use of recommended 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** | **Consult 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** | **Consult your dealer** |
| **Electronic throttle control malfunction** | **Consult your dealer** |
| **Other mechanical failure** | **Consult your dealer** |

## METER FAULT CODE TABLE

Fault codes are fault codes that are generated when a vehicle malfunctions and will be displayed on the dashboard, these fault codes can help the repairer to quickly locate the point of failure so that it can be repaired.

When a fault code appeared on the vehicle, the Segway service dealer was contacted immediately to inspect the vehicle.

| Failure Code | Failure Description |
|---|---|
| ECU module | |
| P1500 | System Voltage High |
| P1501 | System Voltage Low |
| P1600 | Brake Switch "A"/"B" Correlation |
| P1601 | Brake Switch "A" Circuit |
| P1502 | CAN Module Hardware Response Time Out |
| P1503 | Engine Coolant Temperature Sensor 1 Circuit Intermittent |
| P1504 | Engine Coolant Temperature Sensor 1 Circuit High |
| P1505 | Engine Coolant Temperature Sensor 1 Circuit Low |
| P1506 | Knock Control Signal Evaluation Check Diagnostic Fault Detected |
| P1620 | Fuel Rail Pressure Sensor “A” Circuit Range/Performance |
| P1621 | Fuel Rail Pressure Sensor Circuit Bank 1-Negative Offset |
| P1622 | Fuel Rail Pressure Sensor Circuit Bank 1-Positive Offset |
| P1623 | Fuel Rail Pressure Sensor Circuit Intermittent/Erratic Bank 1 |
| P1507 | Fuel Rail Pressure Sensor Circuit High Bank 1 |
| P1508 | Fuel Rail Pressure Sensor Circuit Low Bank 1 |
| P1624 | Fuel Rail Pressure Sensor Circuit Bank 1 |
| P1509 | Engine Oil Pressure Control Circuit High |
| P150A | Engine Oil Pressure Control Circuit Low |
| P150B | Engine Oil Pressure Control Circuit Open |
| P150C | Camshaft Position Sensor "A" Circuit Range/Performance Bank 1 or Single Sensor |

| Failure Code | Failure Description |
|---|---|
| P150D | Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor A |
| P150E | Camshaft Position Sensor "A" Circuit High Bank 1 or Single Sensor |
| P150F | Camshaft Position Sensor "A" Circuit Low Bank 1 or Single Sensor |
| P1625 | Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor A |
| P1510 | Camshaft Position Sensor “B” Circuit Range/ Performance(Bank1) |
| P1511 | Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor B |
| P1512 | Camshaft Position Sensor “B” Circuit High(Bank1) |
| P1513 | Camshaft Position Sensor “B” Circuit Low (Bank1) |
| P1626 | Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor B |
| P1514 | Crankshaft Position Sensor "A" Circuit Range/Performance |
| P1515 | Crankshaft Position Sensor "A" Circuit Intermittent |
| P1516 | Crankshaft Position Signal Output Circuit Open |
| P1627 | System Too Lean Off Idle Bank 1 |
| P1628 | System Too Rich Off Idle Bank 1 |
| P1517 | Fan 1 Control Circuit |
| P1646 | Fan 2 Control Circuit |
| P1519 | Fan 1 Control Circuit High |
| P1647 | Fan 2 Control Circuit High |
| P151A | Fan 1 Control Circuit Low |
| P1648 | Fan 2 Control Circuit Low |
| P1521 | "A" Camshaft Position Actuator Control Circuit Open Bank 1 |
| P1522 | "B" Camshaft Position Actuator Control Circuit Open Bank 1 |
| P1523 | "A" Camshaft Position Actuator Control Circuit High Bank 1 |
| P1524 | "B" Camshaft Position Actuator Control Circuit High Bank 1 |
| P1525 | "A" Camshaft Position Actuator Control Circuit Low Bank 1 |

| Failure Code | Failure Description |
|---|---|
| P1526 | "B" Camshaft Position Actuator Control Circuit Low Bank 1 |
| P1629 | "A" Camshaft Position Slow Response Bank 1 |
| P162A | "B" Camshaft Position Slow Response Bank 1 |
| P162B | "A" Camshaft Profile Control Performance/Stuck Off Bank 1 |
| P162C | "B" Camshaft Profile Control Performance/Stuck Off Bank 1 |
| P162D | Fuel Pressure Regulator 1 Performance-Pressure Too Low |
| P162E | Fuel Pressure Regulator 1 Performance -Pressure Too High |
| P1527 | Fuel Rail/System Pressure – Too High |
| P1528 | Fuel Rail/System Pressure – Too Low |
| P1529 | Ignition Coil "A" Primary Control Circuit Open |
| P152A | Ignition Coil "C" Primary Control Circuit Open |
| P152B | Ignition Coil "D" Primary Control Circuit Open |
| P152C | Ignition Coil "B" Primary Control Circuit Open |
| P152D | Ignition Coil “A” Primary Control Circuit High |
| P152E | Ignition Coil “C” Primary Control Circuit High |
| P152F | Ignition Coil “D” Primary Control Circuit High |
| P1530 | Ignition Coil “B” Primary Control Circuit High |
| P1531 | Ignition Coil “A” Primary Control Circuit Low |
| P1532 | Ignition Coil “C” Primary Control Circuit Low |
| P1533 | Ignition Coil “D” Primary Control Circuit Low |
| P1534 | Ignition Coil “B” Primary Control Circuit Low |
| P1535 | Injector Circuit Open - Cylinder 1 |
| P1536 | Injector Circuit Open - Cylinder 3 |
| P1537 | Injector Circuit Open - Cylinder 4 |
| P1538 | Injector Circuit Open - Cylinder 2 |
| P1539 | Fuel Injector Group "A" Supply Voltage Circuit High |
| P153A | Fuel Injector Group "B" Supply Voltage Circuit High |
| P153B | Cylinder 1 Injector Circuit High |
| P153C | Cylinder 3 Injector Circuit High |
| P153D | Cylinder 4 Injector Circuit High |

| Failure Code | Failure Description |
|---|---|
| P153E | Cylinder 2 Injector Circuit High |
| P153F | Cylinder 1 Injector Circuit Range/Performance |
| P1540 | Cylinder 3 Injector Circuit Range/Performance |
| P1541 | Cylinder 4 Injector Circuit Range/Performance |
| P1542 | Cylinder 2 Injector Circuit Range/Performance |
| P1543 | Intake Air Temperature Sensor 1 Circuit Intermittent Bank 1 |
| P1544 | Intake Air Temperature Sensor 1 Circuit High Bank 1 |
| P1545 | Intake Air Temperature Sensor 1 Circuit Low Bank 1 |
| P1546 | Intake Air Temperature Sensor 2 Circuit Intermittent/ Erratic Bank 1 |
| P1547 | Intake Air Temperature Sensor 2 Circuit High Bank 1 |
| P1548 | Intake Air Temperature Sensor 2 Circuit Low Bank 1 |
| P1549 | Fuel Pump “A” Control Circuit High |
| P154A | Fuel Pump “A” Control Circuit Low |
| P154B | Fuel Pump “A” Control Circuit Open |
| P154C | Knock/Combustion Vibration Sensor 1 Circuit Range/ Performance Bank 1 or Single Sensor |
| P154D | Knock/Combustion Vibration Sensor 1 Circuit Bank 1 or Single Sensor |
| P154E | Knock/Combustion Vibration Sensor 1 Circuit High Bank 1 or Single Sensor |
| P154F | Knock/Combustion Vibration Sensor 1 Circuit Low Bank 1 or Single Sensor |
| P1550 | Knock/Combustion Vibration Sensor 1 Circuit High Bank 1 or Single Sensor |
| P1551 | Knock/Combustion Vibration Sensor 1 Circuit Low Bank 1 or Single Sensor |
| P162F | Turbocharger/Supercharger "A" Overboost Condition |
| P1630 | Turbocharger/Supercharger "A" Underboost Condition |
| P1552 | Random/Multiple Cylinder Misfire Detected |
| P1553 | Cylinder 1 Misfire Detected |
| P1554 | Cylinder 3 Misfire Detected |

| Failure Code | Failure Description |
|---|---|
| P1555 | Cylinder 4 Misfire Detected |
| P1556 | Cylinder 2 Misfire Detected |
| P1557 | Misfire Detected - Fueling Disabled |
| P1558 | CPU0:MPU Error (Registers, DSPR, PSPR) |
| P1559 | CPU0: Unified DCACHE/DSPR ECC Uncorrectable Error |
| P155A | CPU0: Unified DCACHE/DSPR Address Error |
| P155B | CPU0:DCACHE TAG SRAM ECC Uncorrectable Error |
| P155C | CPU0:DCACHE TAG SRAM Address Error |
| P155D | CPU0:PCACHE TAGRAM ECC Uncorrectable Error |
| P155E | CPU0:PCACHE TAGRAM Address Error |
| P155F | CPU0:Unified PCACHE/PSPR ECC Uncorrectable Error |
| P1560 | CPU0:Unified PCACHE/PSPR Address Error |
| P1561 | CPU1:Lockstep Comparator Error |
| P1562 | CPU1:MPU Error (Registers, DSPR, PSPR) |
| P1563 | CPU1:Unified DCACHE/DSPR ECC Uncorrectable Error |
| P1564 | CPU1:Unified DCACHE/DSPR Address Error |
| P1565 | CPU1:DCACHE TAGRAM ECC Uncorrectable Error |
| P1566 | CPU1:DCACHE TAGRAM Address Error |
| P1567 | CPU1:PCACHE TAGRAM ECC Uncorrectable Error |
| P1568 | CPU1:PCACHE TAGRAM Address Error |
| P1569 | CPU1:Unified PCACHE/PSPR ECC Uncorrectable Error |
| P156A | CPU1:Unified PCACHE/PSPR Address Error |
| P156B | LMU:SRAM ECC Monitor |
| P156C | LMU:SRAM ECC Uncorrectable Error |
| P156D | LMU:SRAM Address Error |
| P156E | SMU:Recovery Timer 0 Timeout |
| P156F | SMU: Recovery Timer 1 Timeout |
| P1570 | PMU:PFLASH ECC Non Correctable Multiple Bit |
| P1571 | PMU:PFLASH Addressing Error |
| P1572 | PMU:PFLASH ECC Monitor Error (covers all ECC modules) |

| Failure Code | Failure Description |
|---|---|
| P1573 | PMU:PFLASH EDC Comparator Error (covers all PFLASH instances) |
| P1574 | SCU/CGU: System PLL OSC_WDT: Out Of Range Input Clock |
| P1575 | SCU/CGU: System PLL VCO Loss-of-Lock Event |
| P1576 | SCU/EVR: EVR 1.3V Digital Under Voltage |
| P1577 | SCU/EVR: EVR 3.3V Over Voltage |
| P1578 | SCU/EVR: External Supply Over Woltage |
| P1579 | SCU/WDTS:Safety Watchdog Time-Out |
| P157A | SCU/WDTCPU0:Watchdog CPU0 Time-Out |
| P157B | SCU/WDTCPU1:Watchdog CPU1 Time-Out |
| P157C | SCU/CGU: PLL_ERAY VCO Loss-of-Lock Event |
| P157D | SCU/WDTCPU2:Watchdog CPU2 Time-Out |
| P157E | SCU/DTS: Die Temperature Sensor Overflow |
| P157F | Registers: Register Monitor Error Detection |
| P1580 | SCU/LSCU: SCU configuration Error: Monitors the Dual-rail Property (inverted signals) from the Lockstep Comparator Unit (LSCU) Alarms |
| P1581 | SCU/CGU: Clock monitoring: Out Of Range Frequency STM |
| P1582 | SCU/CGU: Clock monitoring: Out Of Range Frequency PLL_ERAY |
| P1583 | SCU/CGU: Clock monitoring: Out Of Range Frequency System PLL |
| P1584 | SCU/CGU: Clock monitoring: Out Of Range Frequency SRI |
| P1585 | SCU/CGU: Clock monitoring: Out Of Range Frequency SPB |
| P1586 | SCU/CGU: Clock monitoring: Out Of Range Frequency GTM |
| P1587 | SCU/CGU: Clock monitoring: Out Of Range Frequency ADC |
| P1588 | GTM: SRAMs Non Correctable Error |
| P1589 | FLEXRAY:SRAM Address Error |
| P158A | Misc SRAMs:SRAM ECC Uncorrectable Error |
| P158B | Misc SRAMs:SRAM Address Error |

| Failure Code | Failure Description |
|---|---|
| P158C | GTM: SRAMs Address Error |
| P158D | CAN: SRAM Uncorrected Error |
| P158E | CAN: SRAM Address Error |
| P158F | FLEXRAY:SRAM ECC Uncorrectable Error |
| P1590 | CPU2:MPU Error (Registers, DSPR, PSPR) |
| P1591 | CPU2:Unified DCACHE/DSPR ECC Uncorrectable Error |
| P1592 | CPU2:Unified DCACHE/DSPR Address Error |
| P1593 | CPU2:DCACHE TAG SRAM ECC Uncorrectable Error |
| P1594 | CPU2:DCACHE TAG SRAM Address Error |
| P1595 | CPU2:121 PCACHE TAGRAM ECC Uncorrectable Error |
| P1596 | CPU2:PCACHE TAGRAM Address Error |
| P1597 | CPU2:Unified PCACHE/PSPR ECC Uncorrectable Error |
| P1598 | CPU2:Unified PCACHE/PSPR Address Error |
| P1599 | ECM/PCM Power Relay Control Circuit/Open |
| P159A | ECM/PCM Power Relay Control Circuit High |
| P159B | ECM/PCM Power Relay Control Circuit Low |
| P159C | Injection Pump Fuel Metering Control "A" (Cam/Rotor/Injector) |
| P159D | Injection Pump Fuel Metering Control "A" High (Cam/Rotor/Injector) |
| P159E | Fuel Pressure Regulator "A" Control Circuit Open |
| P159F | Injection Pump Fuel Metering Control "B" High (Cam/Rotor/Injector) |
| P15A0 | Function Monitoring: Fault of ECU ADC - Null Load Test Pulse |
| P15A1 | Function Monitoring: Fault of ECU ADC - Test Voltage |
| P15A2 | Function Monitoring:Powerstage and/or Communication Error During Shut Off Path Test |
| P1602 | Internal Control Module Accelerator Pedal Position Performance |
| P15A3 | Function Monitoring: Check of Predicted Air Mass Failed |
| P15A4 | Function Monitoring: Fault of ECU Check of Injection Cut-off |

| Failure Code | Failure Description |
|---|---|
| P15A5 | Function Monitoring: Fault of ECU in Check of Cylinder Individual Fuel Corrections |
| P15A6 | Synchro Process Plausibility Check Based on Engine Speed and Synchro Counters |
| P15A7 | Function Monitoring:Fault of ECU or Sensor in rl-comparison |
| P15A8 | Function Monitoring: Fault of ECU or Sensor in Mixture Check |
| P15A9 | Function Monitoring: Fault of ECU Comparison of Lambda and Operation Mode |
| P15AA | Internal Control Module Engine RPM Performance |
| P15AB | Function Monitoring: Fault of ECU Ignition Timing |
| P15AC | Function Monitoring: Monitoring of ICO From Level1 |
| P15AD | Function Monitoring: Monitoring of ICO From Level2 |
| P15AE | Function Monitoring: Fault of Starter Control |
| P15AF | Internal Control Module Torque Performance |
| P15B0 | Status of ABE Line is Active and Normal Operation Voltage is Present |
| P15B1 | WDA active Due to Errors in Query/Response Communication |
| P15B2 | Error PIN is Active and No Query Response Communication Error is Active |
| P15B3 | WDA active Due to Overvoltage Detection |
| P1631 | Barometric Pressure Sensor "A" Circuit Range/ Performance |
| P1632 | Barometric Pressure Sensor "A" Circuit Range/ Performance |
| P1633 | Barometric Pressure Sensor "A" Circuit Range/ Performance |
| P1634 | Barometric Pressure Sensor "A" Circuit Range/ Performance |
| P1635 | Barometric Pressure Sensor "A" Circuit Range/ Performance |

| Failure Code | Failure Description |
|---|---|
| P1636 | Barometric Pressure Sensor "A" Circuit Range/ Performance |
| P15B4 | Barometric Pressure Sensor "A" Circuit High |
| P15B5 | Barometric Pressure Sensor "A" Circuit Low |
| P1637 | Barometric Pressure Sensor "A" Circuit |
| P15B6 | Manifold Absolute Pressure Sensor Circuit High |
| P15B7 | Manifold Absolute Pressure Sensor Circuit Low |
| P15B8 | Engine Oil Pressure Sensor/Switch "A" High |
| P15B9 | Engine Oil Pressure Sensor/Switch "A" Low |
| P1638 | Manifold Absolute Pressure Sensor Circuit Range/ Performance |
| P1639 | Manifold Absolute Pressure Sensor Circuit Range/ Performance |
| P15BA | Turbocharger/Supercharger Boost Sensor "A" Circuit High |
| P15BB | Turbocharger/Supercharger Boost Sensor "A" Circuit Low |
| P163A | Turbocharger/Supercharger Boost Sensor "A" Circuit Range/Performance |
| P163B | Turbocharger/Supercharger Boost Sensor "A" Circuit Range/Performance |
| P1603 | Throttle/Pedal Position Sensor/Switch “D” Circuit High |
| P1604 | Throttle/Pedal Position Sensor/Switch “E” Circuit High |
| P1605 | Throttle/Pedal Position Sensor/Switch “D” Circuit Low |
| P1606 | Throttle/Pedal Position Sensor/Switch “E” Circuit Low |
| P15BC | Sensor Reference Voltage A Circuit/Open |
| P15BD | Sensor Reference Voltage B Circuit/Open |
| P15BE | Sensor Reference Voltage "C" Circuit/Open |
| P163C | Starter Damaged or Wire Dropped |
| P163D | Engine Block or Starter is not Engaged |
| P15BF | KL50r Wire Short Circuit to Battery |
| P15C0 | KL50r Wire Short Circuit to Ground |
| P163E | Starter Relay "A" Stuck On |

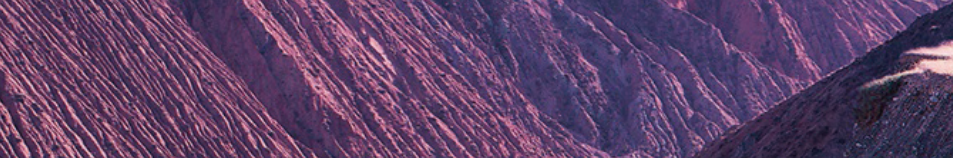
| Failure Code | Failure Description |
|---|---|
| P163F | Starter Relay "B" Stuck On |
| P1640 | Starter Relay "A"/"B" Stuck Off |
| P1641 | Turbocharger/Supercharger Bypass Valve "A" - Mechanical |
| P15C1 | Starter Relay “B” Circuit |
| P15C2 | Starter Relay "B" Circuit High |
| P15C3 | Starter Relay "B" Circuit Low |
| P15C4 | Starter Relay “A” Circuit |
| P1642 | Control Module Internal Temperature "A" Too High |
| P15C5 | Starter Relay “A” Circuit High |
| P15C6 | Starter Relay “A” Circuit Low |
| P1607 | Throttle/Pedal Position Sensor/Switch “D”/“E” Voltage Correlation |
| P15C7 | Evaporative Emission System Purge Control Valve Circuit High |
| P15C8 | Evaporative Emission System Purge Control Valve Circuit Low |
| P15C9 | Evaporative Emission System Purge Control Valve Circuit Open |
| P15CA | Not Plausible Error of UMA Learning |
| P15CB | Break of DV-E Adapation Due to Ambient Conditions |
| P15CC | Max error of DV-E Fault during relearning of UMA |
| P15CD | Min error of DV-E Fault during relearning of UMA |
| P15CE | Not Plausible Error of DV-E Position Deviation |
| P15CF | Not Plausible Range of DV-E Control |
| P15D0 | Not Plausible Offset of NLP Learning for First Learning |
| P15D1 | Max Error of NLP Learning |
| P15D2 | Not Plausible Offset of NLP Learning for Last Learning |
| P15D3 | Min Error of NLP Learning |
| P15D4 | Throttle Actuator "A" Control Motor Circuit/Open |
| P15D5 | Throttle Actuator "A" Control Motor Current Range/ Performance |
| P15D6 | Max Error of DV-E Return Spring Check Failure |
| P15D7 | Throttle Actuator Electrical Malfunction |
| P15D8 | Throttle/Pedal Position Sensor/Switch "A" Circuit High |

| Failure Code | Failure Description |
|---|---|
| P15D9 | Throttle/Pedal Position Sensor/Switch "A" Circuit Range/ Performance |
| P15DA | Throttle/Pedal Position Sensor/Switch "B" Circuit High |
| P15DB | Throttle/Pedal Position Sensor/Switch "B" Circuit Low |
| P15DC | Throttle/Pedal Position Sensor/Switch "B" Circuit Range/ Performance |
| P15DD | Throttle Actuator "A" Control Motor Circuit High |
| P15DE | Throttle Actuator Control System Forced Limited Power |
| P15DF | Throttle/Pedal Position Sensor/Switch "A" Circuit Low |
| P1643 | Turbocharger/Supercharger Wastegate Actuator "A" Range/Performance |
| P1644 | Turbocharger/Supercharger Wastegate Actuator "A" Range/Performance |
| P15E0 | Turbocharger/Supercharger Wastegate Solonoid “A” |
| P15E1 | Turbocharger Boost Control Position Sensor "A" Circuit High |
| P15E2 | Turbocharger Boost Control Position Sensor "A" Circuit Low |
| P15E3 | Turbocharger/Supercharger Wastegate Actuator "A" High/Low |
| P15E4 | Turbocharger/Supercharger Wastegate Actuator General Error |
| P15E5 | HO2S Heater Resistance Bank 1 Sensor 1 |
| P15E6 | HO2S Heater Control Circuit High Bank 1 Sensor 1 |
| P15E7 | HO2S Heater Control Circuit Low Bank 1 Sensor 1 |
| P15E8 | HO2S Heater Control Circuit Bank 1 Sensor 1 |
| P15E9 | O2 Sensor Negative Current Control Circuit/Open Bank 1 Sensor 1 |
| P15EA | O2 Sensor Reference Voltage Circuit/Open Bank 1 Sensor 1 |
| P15EB | O2 Sensor Circuit High Voltage Bank 1 Sensor 1 |
| P15EC | O2 Sensor Circuit Low Voltage Bank 1 Sensor 1 |
| P15ED | O2 Sensor Exhaust Sample Error Bank 1 Sensor 1 |
| P15EE | Turbocharger/Supercharger Bypass Valve Control Circuit High |
| P15EF | Turbocharger/Supercharger Bypass Valve Control Circuit Low |
| P15F0 | Turbocharger/Supercharger Bypass Valve Control Circuit |

| Failure Code | Failure Description |
|---|---|
| P15F1 | O2 Sensor Positive Current Control Circuit/Open Bank 1 Sensor 1 |
| P1645 | Vehicle Speed Sensor "A" Circuit Range/Performance |
| P15F2 | Vehicle Speed Sensor "A" Circuit |
| P15F3 | Auxiliary Water Pump Dry Run Error |
| P15F4 | Coolant Pump "B" Control Circuit High |
| P15F5 | Coolant Pump "B" Control Circuit Low |
| P15F6 | Coolant Pump "B" Control Circuit Open |
| P15F7 | Auxiliary Water Pump Low Speed Error |
| P15F8 | Auxiliary Water Pump Over Temperature Error |
| P15F9 | Auxiliary Water Pump Stall Error |
| P15FA | ECM/PCM Power Relay Control Circuit Low |
| P15FB | Internal Control Module Non-Volatile Random Access Memory (Nvram) Error |
| P15FC | Internal Control Module Non-Volatile Random Access Memory (Nvram) Error |
| **Communication type fault** | |
| U3003 | Module supply voltage too high |
| U3004 | Module supply voltage too low |
| U0073 | PCAN Bus BUSOFF |
| U0101 | TCU node loss fault |
| U0103 | GSM node loss fault |
| U0100 | ECU Node Loss Fault |
| U0198 | T-Box node loss fault |
| U0245 | IVI node loss fault |
| U0131 | EPS node loss fault |
| U0140 | BCM node loss fault |
| U0156 | IACM node loss Fault |
| U024A | ALC node loss fault |
| U0155 | ICU node loss fault |

| Failure Code | Failure Description |
|---|---|
| EPS module | |
| B1122 | Main signal of the torque sensor faulty |
| B1124 | Second signal of the torque sensor is faulty |
| B1125 | The difference between main and secondary torque is too large |
| B1132 | The motor has no power |
| B1168 | Motor rotor signal fault |
| B1114 | External EEPROM read / write failure |
| B1166 | The rotor Angle SPI signal is disconnected |
| B1151 | The steering wheel Angle is out of limit |
| B1161 | Pinion Angle sensor disconnected |
| B1162 | Center gear Angle sensor disconnected |
| B1163 | Steering wheel angle not centered |
| BCM module | |
| B1206 | LeftFrontTureLampBroken |
| B1207 | LeftFrontTureLampShort |
| B1208 | RightFrontTureLampBroken |
| B1209 | RightFrontTureLampShort |
| B120A | LeftRearTureLampBroken |
| B120B | LeftRearTureLampShort |
| B120C | RightRearTureLampBroken |
| B120D | RightRearTureLampShort |
| B120E | LowerBeamBroken |
| B120F | LowerBeamShort |
| B1210 | HighBeamBroken |
| B1211 | HighBeamShort |
| B1216 | PositionLampBroken |
| B1217 | PositionLampShort |
| B1218 | BrakeLampBroken |
| B1219 | BrakeLampShort |

| Failure Code | Failure Description |
|---|---|
| B121C | HornBroken |
| B121D | HornShort |
| B121E | ECU/VCU node loss |
| EPB module(if equipped with) | |
| C1100 | Controller main chip fault |
| C1101 | Controller ASIC Failure |
| C1102 | Ignition switch wire fault |
| C1103 | End of line test fault |
| C1104 | Left actuator power supply undervoltage fault |
| C1105 | Left actuator power supply overvoltage fault |
| C1106 | right actuator power supply undervoltage fault |
| C1107 | right actuator power supply overvoltage fault |
| C1108 | Actuator overload fault |
| C1109 | Left drive circuit or actuator fault |
| C1110 | Right drive circuit or actuator fault |
| C1111 | Left motor or line fault |
| C1112 | Right motor or line fault |
| C1113 | Left or right motor status mode fault |
| C1114 | EPB switch fault |
| C1115 | Caliper temperature unknown |
| C1116 | EPB switch clamping disabled |
| C1117 | EPB caliper at full release |
| C1118 | EPB abnormal power down |



# EMISSION CONTROL SYSTEM

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# 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.

### Carbon Monoxide Poisoning: Avoid Engine Exhaust

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

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

# EXHAUST EMISSION CONTROL SYSTEM

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

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

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

# CRANKCASE EMISSION CONTROL SYSTEM

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

# NOISE CONTROL SYSTEM

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



# WARRANTY


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# WARRANTY POLICY

## WARRANTY COVERAGE

Segway provides users with a 6-month 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 | 6 Months |
| 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.

# EMISSION CONTROL SYSTEM WARRANTY

## YOUR WARRANTY RIGHTS AND OBLIGATIONS

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

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

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

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

**NOTICE!** Use of any Segway Powersports vehicles in any type of competitive event completely and absolutely voids this and all other

warranties offered by Segway Powersports.

## OWNER'S WARRANTY RESPONSIBILITIES

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

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

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

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

If you have any questions regarding your warranty rights and responsibilities, you should contact Segway Powersports Inc 5308 W Plano Pkwy, Plano, TX 75093, TEL: 877-628-0202

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

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

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

**I. Coverage.** Warranty defects shall be remedied during customary business hours at any authorized Segway Powersports' dealer located within the United States of America in compliance with the Clean Air Act and applicable regulations of the United States Environmental Protection Agency. Any part or parts replaced under this warranty shall become the property of Segway Powersports.

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

A. Repair or replacement as a result of

(1) accident,

(2) misuse,

(3) repairs improperly performed or replacements improperly installed,

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

(5) use in competitive racing or related events.

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

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

**III. Limited Liability**

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

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

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

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

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

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

**Segway Powersports Inc**

5308 W Plano Pkwy, Plano, TX 75093
USA
TEL: 877-628-0202

# CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT

## YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and Segway Powersports Inc. (herein and after “Segway Powersports”) are pleased to explain the evaporative emission control system warranty on your 2027 and later model year off-highway recreational vehicle. In California, new off-highway recreational vehicles must be designed, built and equipped to meet the State's stringent anti-smog standards. Segway Powersports must warrant the evaporative emission control system on your off-highway recreational vehicle for the periods of time listed below provided there has been no abuse, neglect, or improper maintenance of your off-highway recreational vehicle.

Your evaporative emission control system may include parts such as the carburetor or fuel injection system, fuel tank, fuel hoses, carbon canister, and engine computer. Also included may be hoses, belts, connectors and other evaporative emission-related assemblies. Where a warrantable condition exists, Segway Powersports will repair your off-highway recreational vehicle at no cost to you including diagnosis, parts and labor.

## MANUFACTURER'S WARRANTY COVERAGE

The 2027 and later model year off-highway recreational vehicles

For 30 months, or 2500 miles, or 250 hours, whichever comes first, except for evaporative components over the OHRV high-priced warranty value, which is covered for 60 months, or 5000 miles, or 500 hours, whichever comes first. If any evaporative emission-related part on your vehicle is defective, the part will be repaired or replaced by Segway Powersports.

## OWNER’S WARRANTY RESPONSIBILITIES

As the off-highway recreational vehicle owner, you are responsible for the

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

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

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

If you have any questions regarding your warranty rights and responsibilities, you should contact the following office.

Segway Powersports Inc.
5308 W Plano Pkwy, Plano, TX 75093
TEL: 800-887-2887

California Air Resource Board at 4001 Iowa Avenue, Riverside, CA 92507

## WARRANTY COVERAGE

Segway Powersports warrants that at the time it is first purchased each new 2027 and later Segway Powersports off-highway recreational vehicle is:

A. is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the California Air Resources Board; and

B. is free from defects in material and workmanship which cause such vehicle to fail to conform to applicable regulations of the California Air Resources Board for the periods specified above.

The evaporative emission related components warranty period for this vehicle begins on the date the vehicle is delivered to the first purchaser other than an authorized dealer, or the date it is first used as a demonstrator, lease, or company vehicle, whichever comes first and continues for the period of time listed above. This warranty is

transferable to each subsequent purchaser for the duration of the warranty period.

Warranty repairs will be made without charge for diagnosis, parts, or labor. All defective parts replaced under this warranty become the property of Segway Powersports. A list of warranted parts is included in this warranty statement. Any warranted part which is scheduled only for regular inspection in the maintenance schedule are warranted for the warranty period specified above, the effect of “repair or replace as necessary” do not reduce the period of warranty coverage. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period.

Any replacement part designated by OEM may be used in warranty repairs provided without charge to the owner.

The use of replacement parts not equivalent to the original parts may impair the effectiveness of your engine evaporative emission related components. If such a replacement part is used in the repair or maintenance of your engine, and an authorized Segway Powersports dealer determines it is defective or causes a failure of a warranted part, your claim for repair of your engine may be denied. If the part in question is not related to the reason your engine requires repair, your claim will not be denied.

Any add-on or modified part exempted by the Air Resources Board from the prohibitions of Vehicle Code section 27156 may be used on a vehicle or engine. Such use, in and of itself, do not void this warranty, however the failures of warranted parts caused by the use of an add-on or modified part is not covered by this warranty.

Segway Powersports will warrant the damages to other vehicle components proximately caused by a failure under warranty of any warranted part.

## TO OBTAIN WARRANTY SERVICE

You must take your Segway Powersports vehicle, along with your sales receipt or other proof of original purchase date, at your expense, to any Segway Powersports dealer who is authorized by Segway Powersports to sell and service that Segway Powersports product during their normal business hours. You should use and maintain correctly according to the owner's manual, and the

claim will be rejected for problems caused by incorrect use and maintenance.

Repair or replacement of any warranted part is performed at no charge at an authorized Segway Powersports dealer, except in an emergency situation. An emergency occurs when a warranted part or an authorized Segway Powersports dealer is not reasonably available to the owner. In an emergency, repairs may be performed at any available service establishment, or by any individual, using any replacement part. The manufacturer will reimburse the owner for the expenses, including diagnostic charges, not to exceed the manufacturer's suggested retail price for all warranted parts replaced and labor charges based on the manufacturer's recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. The owner may reasonably be required to keep receipts and failed parts in order to receive compensation. A part not available within 30 days, or a repair not complete within 30 days also constitutes an emergency.

If you are unable to obtain warranty service, or are dissatisfied with the warranty service you received, segway powersports. Normally this should resolve your problem. However, if you require further assistance, write or call the Segway Powersports Inc. Customer Service Department.

EXCEPT WHERE SPECIFICALLY REQUIRED BY LAW, THERE IS NOWARRANTY OR SERVICE COVERAGE ON YOUR VEHICLE IF ITIS SOLD OUTSIDE THE COUNTRY OF THE SELLING DEALER'SAUTHORIZED LOCATION.

## EXCLUSIONS AND LIMITATIONS

This Evaporative Emission Related Components Warranty shall not cover any of the following:

A. Repair or replacement were directly caused by

(1) accident,

(2) misuse,

(3) repairs improperly performed or replacements improperly installed,

(4) use of replacement parts or accessories not conforming to Segway Powersports' specifications which adversely

affect performance

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

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

## LIMITED LIABILITY

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

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

C. No dealer is authorized to modify this Segway Powersports Limited Evaporative emission Related components Warranty.

| | |
|---|---|
| Evaporative Emission Related Parts | Fuel tank, Fuel cap, Fuel hoses, Canister |

There is no high-cost evaporative related parts