



OWNER'S MANUAL

FUGLEMAN™ UT10

FUGLEMAN™ UT10 CREW

T1b



MADE FOR MORE

2024

WELCOME

Thank you for buying this Segway UTV vehicle. Segway Powersports vehicles will bring you a new driving experience.

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

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

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

IMPORTANT NOTICE

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

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

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

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

Visit <http://powersports.segway.com> for a list of dealers and service locations

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODELS:

SINGLE CAB MODEL: SGW1000F-U2, FUGLEMAN UT10

CREW CAB MODEL: SGW1000F-U5, FUGLEMAN UT10 CREW



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INTRODUCTION

BEFORE YOU RIDE

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

WARNING

Failure to adhere the warnings and safety precautions contained in this manual will result in severe injury or death. Your SEGWAY vehicle is not toy and it can be hazardous to operate. This vehicle handles differently than cars, trucks or on-road vehicles. A collision or rollover can occur quickly, even during routine maneuvers like turning, riding on hills or over obstacles if you fail to take proper precautions.

- Read the Owner's Manual that came with your vehicle.
- Understand all safety warnings, precautions and operating procedures before operating the vehicle.
- Keep this manual with the vehicle.
- Never operate this vehicle without proper instruction.
- Take an authorized training course or safety training lessons.
- This vehicle can be driven by a person of the minimum legal age with a valid driving license for this category of vehicles.
- Always keep hands, feet and all other body parts inside the vehicle at all times.

- Always wear a helmet, eye protection, gloves, long-sleeve shirt, long pants and over-the-ankle boots.
- Never operate this vehicle under the influence of drugs or alcohol, as these conditions impair judgment and reduce the operator's ability to react.
- Complete the new operator driving procedures outlined this manual. Never allow a guest to operate this vehicle until the guest has completed the new operator driving procedures.
- Never permit other person to operate this vehicle unless he/she has completed a safety training, reviewed the owner's manual and all safety and warning labels.

SAFETY SYMBOLS AND SIGNAL WORDS:

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.

NOTICE

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

IMPORTANT

IMPORTANT provides key reminders during disassembly, assembly, and inspection of components.

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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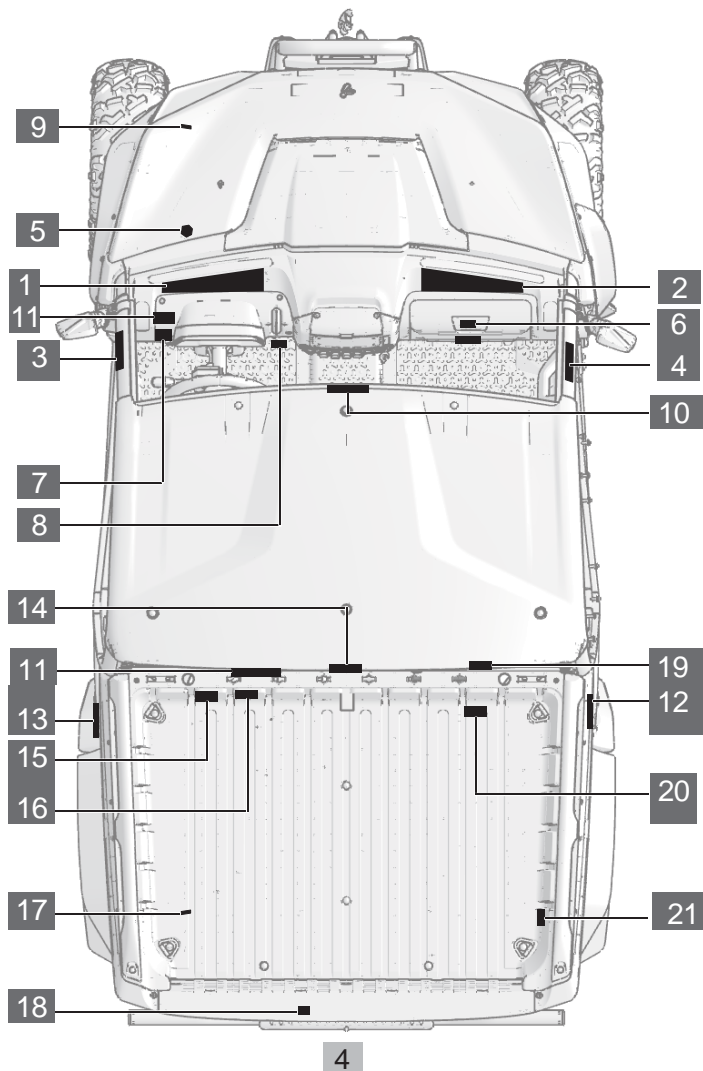
Failure to follow the warnings and safety precautions in this manual may result in serious injury or death. It can be dangerous to operate an on-road vehicle and is driven differently from other vehicles, such as motorcycles and automobiles. If proper precautions are not taken, a collision or rolled-over may occur during normal maneuvers such as turning, climbing, or overcoming obstacles. Understand all safety warnings, precautions and operating procedures before operating the vehicle. Bring this manual with you.

WARNING LABELS

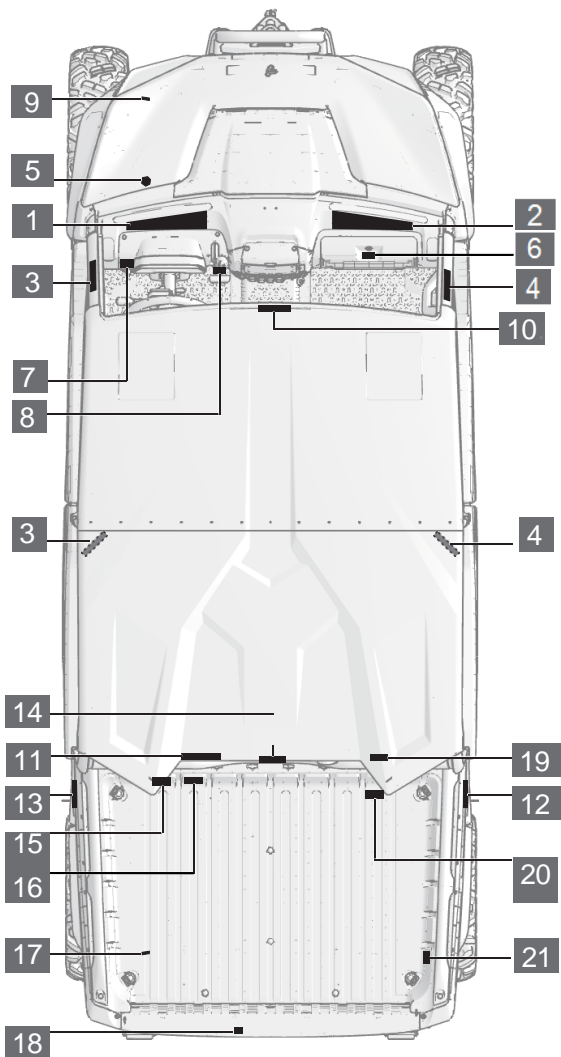
Warning labels have been placed on the vehicle for your protection. Read and follow the instructions on the labels carefully. If any of the labels depicted in this manual differ from the labels on your vehicle, always read and follow the instructions on the vehicle. If any label becomes illegible or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

WARNING LABELS AND THEIR LOCATION

FUGLEMAN UT10



FUGLEMAN UT10 CREW



1

WARNING

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

Be Sure Riders Pay Attention and Plan Ahead

If you think you may be unable to stop or roll, reduce your risk of injury when a firm grip on the steering handle and 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 children or teenagers driving. Make sure operators are 18 or older with a valid driver's license. Do not let people drive or ride after using alcohol or drugs. Do not publicize a public use event with another vehicle. Do not exceed seating capacity: 2 occupants.



Improper Use of this Vehicle Can Cause Severe Injury or Death

Be Prepared

Wear seat belts, unless an approved helmet and protective gear. Each rider must be able to sit with back against seat, feet flat on the floor, and handle or steering wheel or handholds. Stay completely inside the vehicle.

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



Drive Responsibly

Avoid loss of control and rollovers. Avoid abrupt maneuvers, sideways riding, jacking, or backing and never do donuts. Avoid hard acceleration when turning, even from a stop. Plan for hills, rough terrain, ruts, and other changes in traction and terrain. Avoid paved surfaces, wheels with lifting riding, areas marked.



FUGLEMAN UT10

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FUGLEMAN UT10 CREW

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 handle or handholds. Stay completely inside the vehicle.

Be Sure Riders Pay Attention and Plan Ahead

If you think you may be unable to stop 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.



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.





U09L1100229-000-00

4

WARNING

Be prepared in case of rollover. If the vehicle rolls over, any part of your body (such as arms, legs, or head) outside of the vehicle can be crushed by the cage, vehicle frame, or other parts of the vehicle. Fasten seat belt and make sure net and/or door is securely latched in place to help you avoid sticking out arms or legs.

NEVER hold the cab frame while riding.

NEVER try to stop a rollover using your arm or leg.





U09L1100330-000-00

5



6

CAUTION

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

U09L10004001

7

WARNING

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

U09L10030001

8

WARNING

Parking:
Pull the parking brake outdoors forcefully to park the vehicle.

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



U09L10018001

9



10

EMERGENCY EXIT



U0BL10022004

11

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

U01L11012001

12

WARNING



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

U0BL10033001

13

WARNING



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

U0BL10043001

14

WARNING

NEVER attach to the cab frame to pull a load. This can cause the vehicle to tip over. Use only the trailer hitch or recovery hook to pull a load.



U0BL10011001

15

WARNING



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



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

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

U0BL100021-000-00

16

⚠ 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: **15.0 psi (103kPa)**
Rear: **16.0 psi (110kPa)**
- MAXIMUM WEIGHT CAPACITY:
1500 lbs. (680 kg)
- MAXIMUM CARGO BOX LOAD:
771 lbs. (350 kg)

U09L10010001

FUGLEMAN UT10

⚠ WARNING

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

• Cold tire pressure:

TIRE SIZE	27"	30"
Front(Psi/kPa)	15.0 (103)	10.0 (70)
Rear(Psi/kPa)	17.4 (120)	16.0 (110)

MAXIMUM WEIGHT CAPACITY:
1279 lbs. (580 kg)

MAXIMUM CARGO BOX LOAD:
452 lbs. (205 kg)

U03-L100011-LEN-00

FUGLEMAN UT10 CREW

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18

⚠ WARNING

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

- Maximum unbraked towing mass **400 kg (882 lb)**
- Maximum unbraked tongue mass **110 kg (242 lb)**
- Maximum inertia-braked towing mass **700 kg (1543 lb)**
- Maximum inertia-braked tongue mass **110 kg (242 lb)**

U09L10015004

19

⚠ WARNING

Air Filter Inlet Grill. **DO NOT COVER!**



U09L1002001

20

⚠ CAUTION

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

U09L10032001

21

⚠ WARNING

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



MAX
200lbs/90kg

U09L10009001

SEVERE INJURY OR DEATH...

... can result if you do not follow these instructions:

- This vehicle can be driven only by an adult person with a valid driving license for this type of vehicle.
- Never operate this vehicle without wearing an approved motorcycle helmet that fits properly.
- Wear eye protection (goggles or a face shield), gloves, over-the-ankle boots, long-sleeved shirt or jacket, and long pants.
- Never consume alcohol or drugs before or when 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 riding in rough terrain. The front wheels will move right and left as they respond to the terrain, and this movement will be felt in the steering wheel. A sudden jolt could wrench the steering wheel around, and your thumbs or fingers could be injured if they are in the way of the steering wheel spokes.
- Never turn at excessive speed. Practice turning at slow speeds before attempting to turn at faster speeds. Do not attempt turns on steep inclines.
- Always follow proper procedures for going uphill. If you lose control and cannot continue up a hill, back down the hill with the engine in reverse gear. Use engine braking to help you go slowly. If necessary, use the brakes gradually to help you go slowly.
- 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 box.
- 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 cargo box as possible, and distributed evenly from side to side. Be sure cargo is secured so that it cannot move around during ride. Reduce your speed and follow the instructions in this manual for carrying cargo or pulling a trailer. Allow a greater distance for braking.
- Brake discs can be over heated after continuous braking. Allow brake disc to cool before servicing.
- Avoid the risks related to contact with hot surfaces, including residual risks such as filling oil or coolant in hot engines or transmissions.
- Exhaust system components are very hot during and after use of the vehicle. Hot components can cause burns and fire. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system.
- Use caution when riding through tall grass, especially dry grass. Always inspect the underside of the vehicle and areas near the exhaust system after riding through tall grass, weeds, brush, and other tall ground cover. Promptly remove any grass or debris clinging to the vehicle.

IMPORTANT SAFETY INFORMATION

READING THE MANUAL

WARNING

Driving a 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 warning labels and has passed the safety training course. Otherwise, the vehicle will not be allowed to drive.



SAFE DRIVING AGE

WARNING

This vehicle can be driven by a person of the minimum legal age with a valid driving licence for this category of vehicles. Do not drive the vehicle without proper driving training. Training courses are required. Ensure that each driver has read this Owner's manual and all warning labels, and has completed a safety training course.

RIDING EQUIPMENT

 **WARNING**

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

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

Helmet

Wearing a helmet can prevent head injuries. At all times, you must wear a helmet that meets safety standards when riding - ECE 22.05 or ECE 22.06 marks. The ECE mark consists of a circle around the letter E, followed by the approved area codes for different countries. The approval number and serial number are also displayed in the label.

Additional Riding Gear

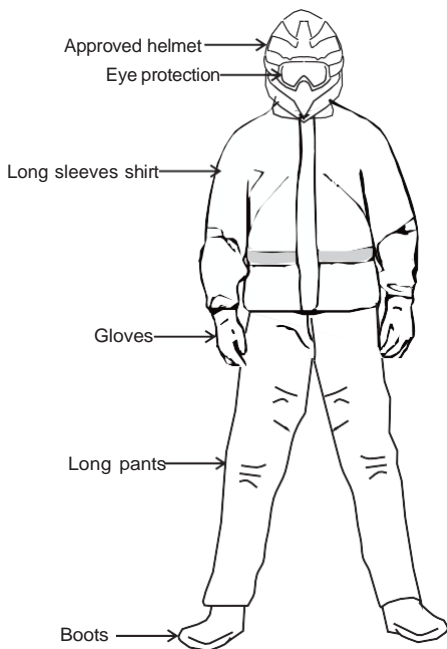
Sturdy off-road motorcycle boots to help protect your feet, ankles, and lower legs.

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.

▲ WARNING

Using a helmet is strongly recommended to all riders in vehicles equipped with a ROPS protective structure and safety belts.



USING ALCOHOL OR DRUGS

WARNING

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

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



VEHICLE MODIFICATIONS

⚠ WARNING

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



PASSENGERS

 **WARNING**

Do not carry passengers unless you have operated the vehicle for at least two hours and have completed the new operator driving instructions outlined on page 67. 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.



EXHAUST GASES

⚠ WARNING

Engine exhaust gases are toxic and can cause loss of consciousness or death in a short time. Do not start or run a motor in a closed areas. The engine exhaust gases of this vehicle contains chemicals that cause cancer, birth defects or other reproductive damage. Only drive the vehicle outside the closed rooms or in a well-ventilated areas.



SEAT BELTS

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



CAB NETS / DOORS

Riding in this vehicle without closed and latched doors / nets increases the risk of serious injury or death in the event of an accident or rollover. Always make sure that all doors / nets are closed and latched when driving this vehicle. Door nets are not intended to be used as arm rests. Always keep hands and feet inside the vehicle.



LOADING THE VEHICLE

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

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

Always follow the following guidelines:

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

NO PASSENGERS IN THE CARGO BOX

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



RIDING ON PAVED SURFACES

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

RIDING ON PUBLIC ROADS

Operating this vehicle on public streets, highways or highway could result in a collision with another vehicle. When operating on public roads, including dirt and gravel roads, ride with extreme attention.

RIDING AT EXCESSIVE SPEEDS

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

TURNING IMPROPERLY

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

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

JUMPS AND STUNTS

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

IMPROPER HILL CLIMBING

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

DESCENDING HILLS IMPROPERLY

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

CROSSING HILLSIDES

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

FUEL SAFETY

Gasoline is very flammable under certain conditions

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



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VEHICLE CONTROLS

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VEHICLE ACTIVATION

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

NOTICE

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

Download the APP from the "Apple® App Store®" or "Google Play® store" in your mobile phone before you try to activate the vehicle by the APP in the first time. Please search "**Segway Powersports**" in the Apple® App Store® or Google Play® store in your mobile phone, then download the APP as usual.

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

1. Power on the vehicle with the mechanical key.

Input or scan vehicle VIN code according to APP registration prompts, and step on the vehicle brake at the same time. Note: The vehicle identification code may not be scanned due to the influence of light. You can try to enter the VIN code manually. The vehicle VIN code is either on the vehicle frame (see Page 157) or on the vehicle nameplate (see Page 159).

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

UNLOCKING THE VEHICLE

There are three ways to unlock a vehicle:

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

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

3. **APP Bluetooth vehicle unlock**

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

NOTICE

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

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

SEGWAY POWERSPORTS APP FUNCTION

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

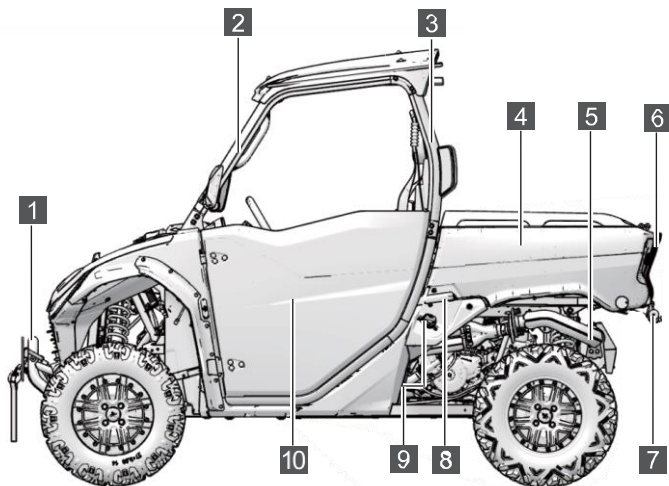
Main features:

Driving controls analysis, vehicle data analysis etc.

For detail information see Segway Powersports APP User Manual.

PARTS AND CONTROLS

FUGLEMAN UT10



1 Front Bumper

2 Handrails

3 ROPS

4 Cargo Box

5 Muffler

6 Tailgate

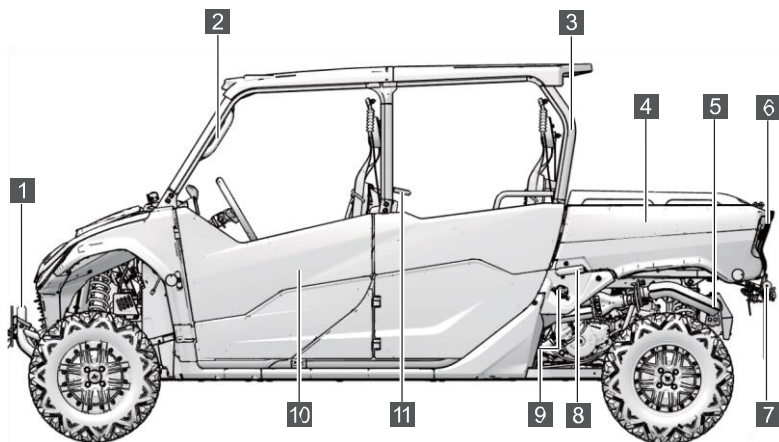
7 Rear Bumper

8 Cargo Box Flip Handle

9 Fuel Cap

10 Cab Net/Door

FUGLEMAN UT10 CREW



1 Front Bumper

2 Handrails

3 ROPS

4 Cargo Box

5 Muffler

6 Tailgate

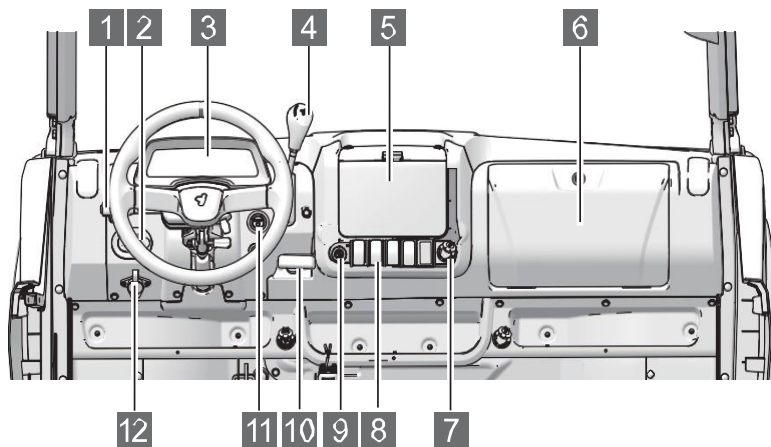
7 Rear Bumper

8 Cargo Box Flip Handle

9 Fuel Cap

10 Cab Net/Door

11 Rear Handrails



1 Light Switch

4 Gear Shifter/Selector

7 12V Socket

10 Parking Brake

2 AWD Switch

5 Storage Box

8 Switches

11 Start Button

3 Instrument Cluster

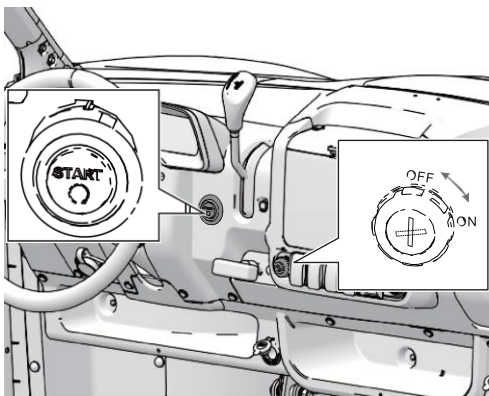
6 Storage Box

9 Ignition

12 Winch Socket

IGNITION LOCK/START BUTTON

MODE 1:



Ignition Lock

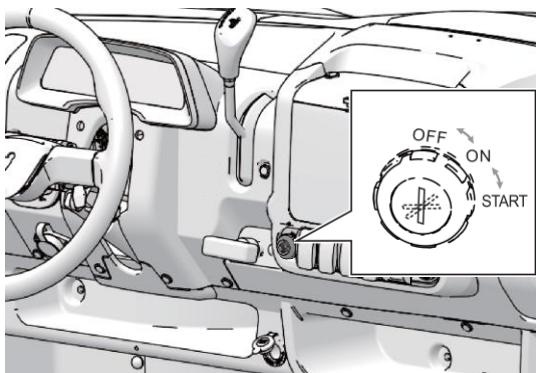
Turn the key to the position "ON": the vehicle is energized and the electrical components of the vehicle can be used.

Turn the key to the position "OFF": the whole vehicle circuit is disconnected and the engine stops. When the switch is in the off position, the key can be removed from the switch.

Start Switch

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

MODE 2:

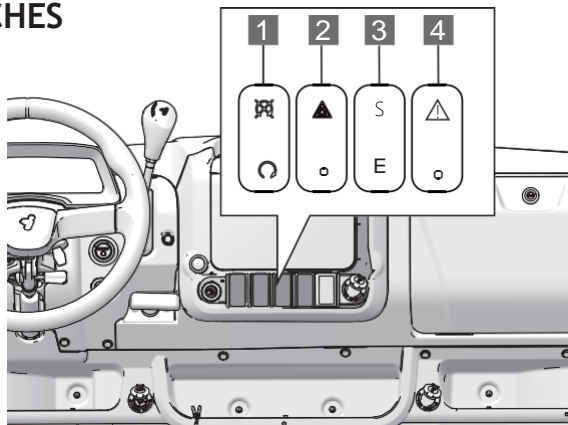


Turn the key to the position "ON": the vehicle is energized and the electrical components of the vehicle can be used.

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

Turn the key to the "OFF" position: the whole vehicle circuit is disconnected and the engine stops. When the switch is in the off position, the key can be removed from the switch.

SWITCHES




1 Emergency shutdown switch

2 Hazard Switch

3 Mode Switch


4 Override Switch

Emergency shutdown switch


 : Engine Stop

 : Engine Start

Starting the engine

1. Depress the brake pedal when the gear is in "P" or "N" gear.
2. Turn the ignition key into "ON" position.
3. Press the Emergency shutdown switch to  position.
4. Press the "Start" button for 1.5 - 2 seconds (no more than 4 seconds). The engine will start.

Stopping the vehicle

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

Hazard Switch

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

▲: Hazard lights on.

●: Hazard lights off

Use this switch when the vehicle is in an emergency, for example:

- When temporary parking the vehicle
- When vehicle is malfunctioning.
- When vehicle encounters other emergencies.

Mode Switch

" S ": Sport mode

This mode can increase the RPM of engine, the vehicle power is stronger, the speed is faster, and the fuel consumption is more. It is recommended not to start in sport mode.

" E ": Economic mode

Under the condition of ensuring the power of the vehicle, this mode can effectively allow the vehicle to save fuel, reduce fuel use as much as possible, and enhance fuel economy.

Speed Limiter - Override Switch

" ▲ ": Temporarily disables the speed limiter when operating in reverse, or in 4WD-LOCK mode (30km/h limit). Use only when needed.

TOGGLE SWITCH FOR 2-WHEEL / 4-WHEEL DRIVE

**NOTICE**

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



2 x 4 Mode

When the switch is turned to "2WD" position, the display shows the 2WD symbol "2WD". At this time, in the 2x4 mode, the whole vehicle is driven by the rear wheels only. No power output to the front wheels.


4 x 4 Mode



When the switch is turned to "4WD" position, the display shows the 4WD symbol "4WD". At this time vehicle works in 4x4 mode, the front wheels have power output and the rear wheels have power output. This mode is suitable for muddy, mountainous and other bad road conditions.

4×4 Lock Mode

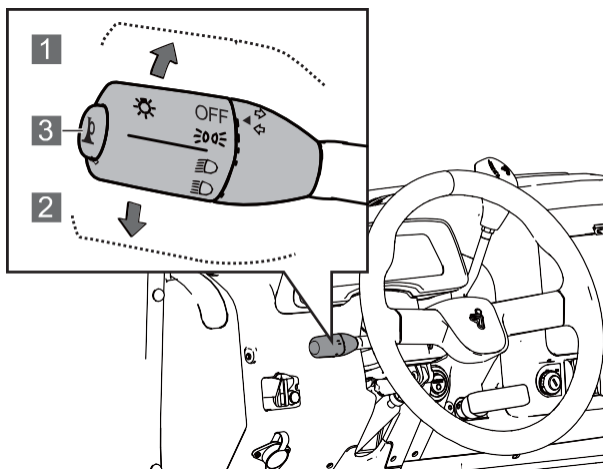
When the switch is turned to "  " position, the 4WD lock symbol is displayed on display "  ". At this time, the vehicle will be in 4WD lock mode, the front wheels have power output, the rear wheels have power output, the left and right tires of the front wheels have the same speed and power output. This mode is suitable to get the vehicle out of troubles (the speed limiter can be temporarily switched off by the override switch).

Rear axle differential mode (if equipped)

"   ": Button not pressed: Rear axle differential is locked.

"   ": Button pressed: Rear axle differential is open.

COMBINATION SWITCH

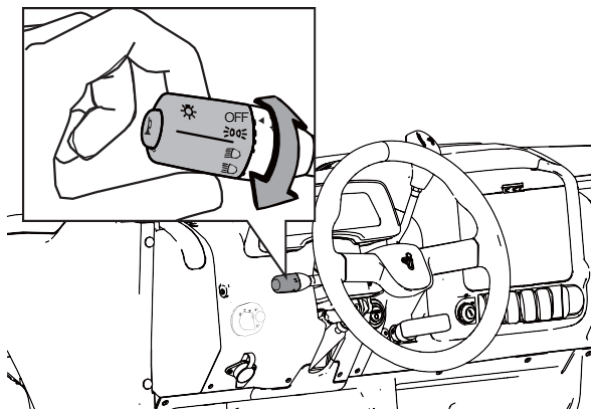


1 Push the control lever up to turn on the right turn signal light, the right turn indicator flashes on the meter

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


3 Horn switch


HEADLIGHTS SWITCH



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

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

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

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

OFF: Turn off the lights

: Horn switch

INSTRUMENT PANEL

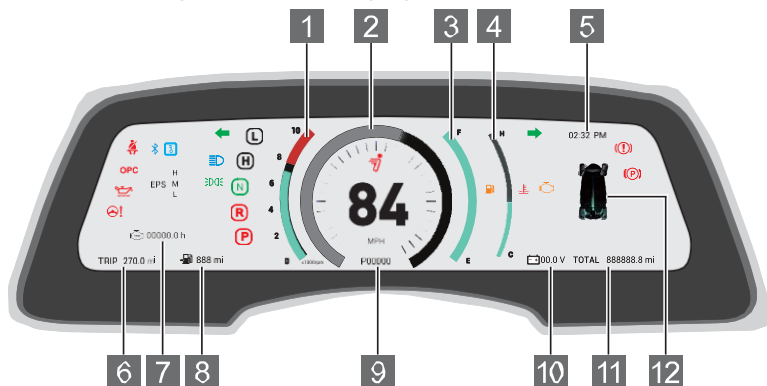
The instrument panel provides the operator with the vehicle information, and the driver should understand the meaning of the various indicators, warning lights and display content information on the instrument table, to understand the vehicle status.

NOTICE

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

INDICATOR LIGHTS / WARNING LIGHTS

Indicator lights and warning lights on the instrument panel indicate the status of the vehicle systems. The figure below shows all the lights and warning lights.



The ignition lock switch is set to "ON" mode, the indicator is switched on, and all warnings on the indicator. The light will be briefly lit for 1 second.

1 Engine RPM meter

Displays the actual RPM of the engine.

0→2→4→6→8→10 (x1000 rpm)

2 Speedometer

Displays the actual speed of the vehicle.

3 Fuel Gauge

E: Empty F: Full

Shows the fuel level in the fuel tank. Activates the low fuel warning when the last segment goes off. All segments including the fuel icon will flash. Refuel immediately.

4 Engine Temperature

Thermometer shows the engine coolant temperature.

C: Engine temperature low

H: Engine temperature high

5 Clock

After the vehicle is bound to the "Segway Powersports" APP, the time displayed on the dashboard will be automatically synchronized to your local time.

6 Trip Meter

The dashboard does not have the function of clearing trip meter mileage. Please clear the trip meter through "Segway Powersports" APP.

7 Engine Hours

Displays total engine running time

8 Distance-to-empty

Displays the mileage you can travel on currently remaining fuel.

9 Fault Code Display

In case of partial failure of the vehicle, the fault code is displayed in this area. See page 167 for detailed description of the fault codes.

10 Battery Voltage

Display the current voltage of the vehicle battery

11 Total Mileage

Display the total mileage accumulated by the vehicle

12 Four-Wheel Drive Full Differential Lock

2x4 Mode



4x4 Mode



4x4 Locked Mode

With differential:



2x4 Mode
















4x4 Mode



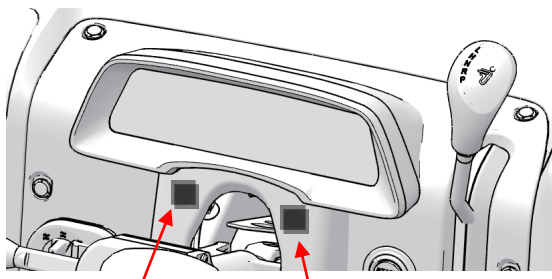
4x4 Locked mode

Indicator lights / Warning indicators

Light	Instructions	Status
	Safety Belt	This light reminds the operator to ensure that all riders wear helmets and safety belts before ride. 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 24 km/h.
OPC	Off-Seat	When the driver leaves the seat and park brake is not applied, the OPC light will be on and the buzzer will sound.
	Oil Pressure	This light is on when oil pressure is too low.
	EPS System	Indicates a failure in EPS system (if equipped)
	Brake System	<ul style="list-style-type: none"> • Low brake fluid level • Brake system is faulty
	Parking Brake	This light is on when Parking brake is applied.
	Engine Failure	This indicator appears if an EFI-related fault occurs. Do not operate the vehicle, if this warning appears. Serious engine damage could result.

	Coolant Temperature	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.
	Left Turn	This light is lit when the left turn signal is turned on.
	High Beam	This lamp illuminates when the headlamp switch is set to high beam.
	Position light	The front light, tail light, license plate light and instrument panel light are on.
	Right turn indicator	This light is lit when the right turn signal is turned on.
	Bluetooth	The icon will lit when the Bluetooth is used.
	Remote Power On	When you power the vehicle on, the APP in the mobile phone and this light will be on.
H EPS M L	EPS mode	M - Normal mode, power normal H - Comfort mode, power light L - Motion mode, booster weight

DISPLAY SETTING

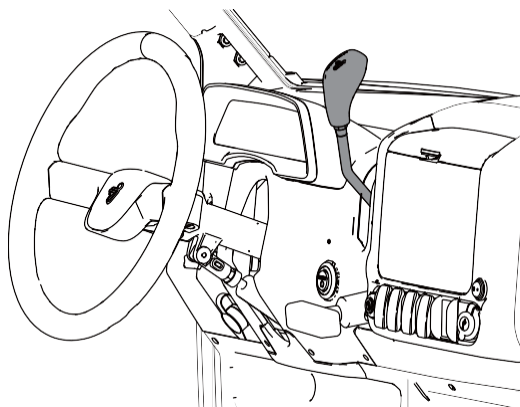


Left button Right button

Function	Left button	Right button	Display after action
Brightness adjustment	Short press		Adjust backlight brightness (default brightest)
Subtotal clear	Long press		Zeroing of subtotal mileage
EPS gear switching		Short press	Send EPS gear switching signal
Metric/Imperial units		Long press	Switching metric and imperial units
Clock setting	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

GEAR SHIFT SELECTOR

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



L Low speed

H High speed

N Neutral

R Reverse

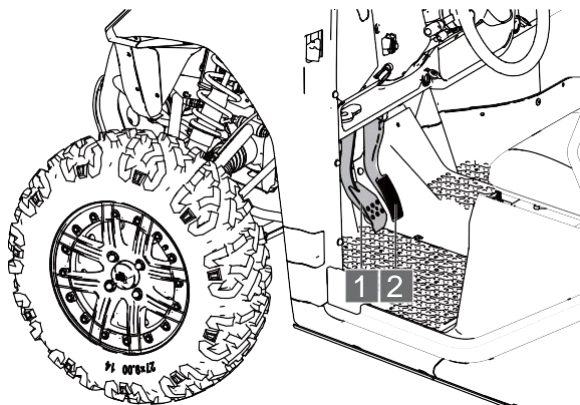
P Parking

CAUTION

The transmission will be damaged when you change gears if the engine is running over the idle speed or when the vehicle is moving.

Place gearbox in "P" position and lock parking brake when you are leaving the vehicle.

BRAKE AND ACCELERATOR PEDALS

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

Step on the brake pedal **1** to select gear, reduce speed, or stop the vehicle. Use this brake pedal when you start the engine.

If you want to reduce speed or stop the vehicle, step on the brake pedal with your right foot.

The brake pedal is spring load style. It will return to balance position if no force is on it.

Accelerator pedal

Step on accelerator pedal **2** to increase engine speed. If you want to increase or maintain vehicle speed, use your right foot to hold the accelerator pedal.

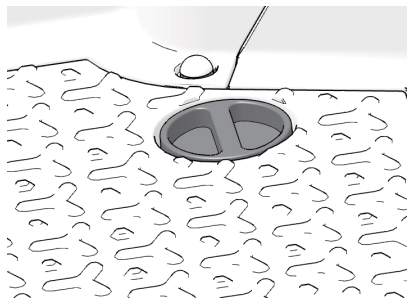
If you want to decrease the speed, loosen the accelerator pedal. The accelerator pedal is spring loaded type. When released, the spring force will return the pedal to the rest position (idle speed). Before starting the engine, be sure to check if the accelerator pedal returns normally.

⚠ CAUTION

If the accelerator pedal and the brake pedal are applied at the same time, the engine power may be limited.

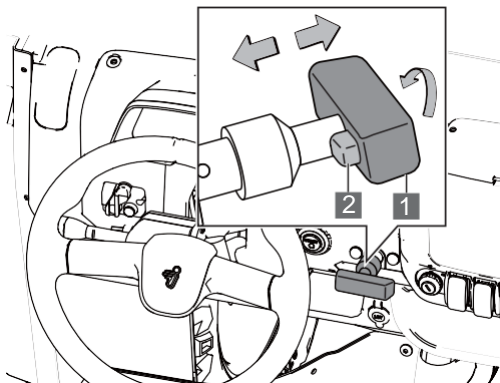
FLOOR DRAIN PLUGS

The driver's and passenger's floor panel have a rotating plugs for situations when the vehicle is submerged in water, or after washing etc. If water is accumulated on the floor, unscrew the plug and drain the water. Don't forget to install the plug back after draining.



PARKING BRAKE

Whenever leaving the vehicle, the parking brake must be used to set the parking system in working status.



1 Parking brake handle

2 Parking brake button

To turn on the parking brake:

When parking the vehicle, park it on a suitable place, step on the brake pedal to make the vehicle standstill, and then hold the T-shaped parking handle with your hand and pull it up, until your foot releases the brake.

To release the parking brake:

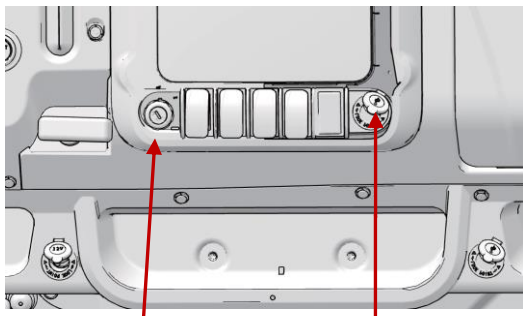
Press the lock button with your index finger while holding the T-shaped handle, rotate it 90 degrees clockwise and push the parking handle down to release the parking brake.

CAUTION

When leaving the vehicle, the parking brake must be on.

12 V ACCESSORY SOCKET / USB PORT

This vehicle is equipped with two sockets located in the dash central panel.



12V Accessory outlet USB port

12V accessory outlet can be used to power 12V accessories that are rated less than 10A, USB port has power output max 1A.

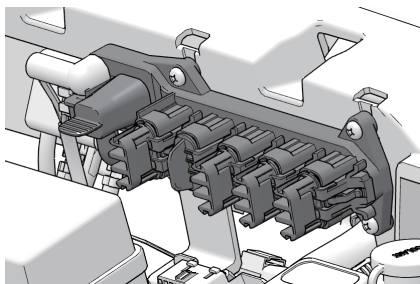
12V Accessory outlet output power: 120 W

Both outlets are on when the ignition lock is in "ON" position.

POWER SUPPLY HUB

This vehicle is equipped with Power supply hub located under the front access cover.

The Power supply hub can be used for additional vehicle electrical accessories such as wipers, audio, etc.



Fuse: 40A

Maximum power: 150W

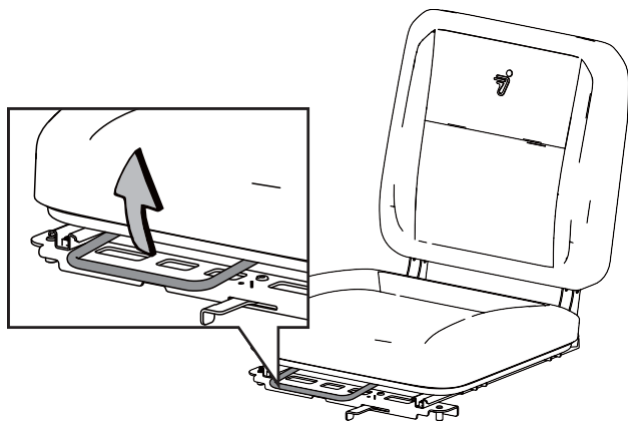
SEATS

The driver's seat can be adjusted forwards and backwards before ride. Adjust the position of the seat so that the driver's back can touch the seat back, and the driver's feet can step on the brake pedal and accelerator pedal.

DRIVER'S SEAT ADJUSTMENT

There is a U-shaped adjusting handle at the front of the seat. Pull the U-shaped adjusting handle upwards by hand.

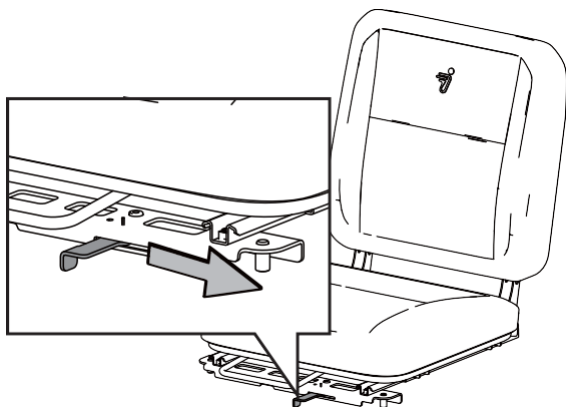
Slide the seat forward or backward to the desired position. Release the handle. The seat will lock in the new position.



Seat adjusting handle

DRIVER ´S SEAT REMOVAL/INSTALLATION

Driver ´s seat removal



Seat lock lever

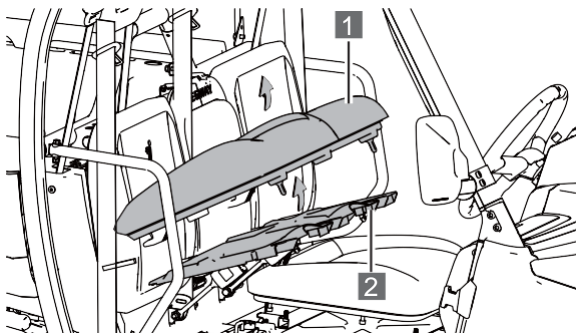
1. Move the seat lock lever to the outside.
2. Gently pull the seat forward, then disconnect the cable connector under the seat.
3. Remove the seat from the vehicle.

Driver ´s seat installation

1. Connect the cable connector under the seat.
2. Insert two fixing pins behind the seat into the hooks.
3. Press the seat down to lock the lever of the seat and frame.

After installation, check whether the seat is securely installed in place to ensure driver's safety.

PASSENGER SEAT REMOVAL (FUGLEMAN UT10)



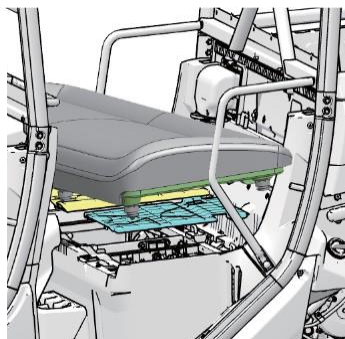
1 Passenger seat **2** Passenger seat cover

Lift the front end of the seat to remove the seat from the vehicle. The seat cover is located under the passenger seat. After the passenger seat is removed, hold the seat cover with both hands, move it upwards and remove the seat cover.

The battery and a storage compartment are located under the passenger seat.

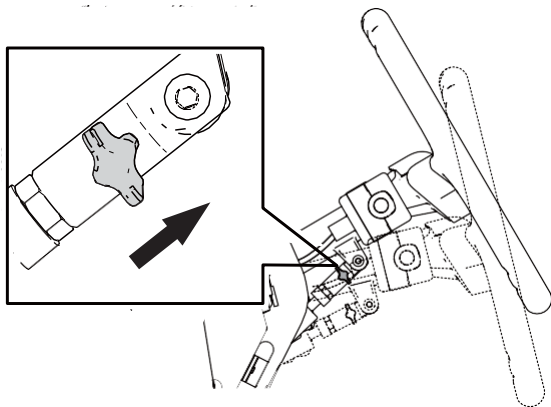
REAR PASSENGER SEAT REMOVAL (FUGLEMAN UT10 CREW)

Remove the seat from the vehicle by lifting the front of the seat firmly upward. The seat cover is located underneath the seat. After the passenger seat is removed, the seat cover is removed by clasping the seat cover with both hands and moving it upward with force. The battery and fuel tank are located underneath.



STEERING WHEEL ADJUSTMENT

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



Steering wheel angle adjustment:

After raising the steering column adjustment lever toward the steering wheel, do not loosen it.

Move the steering wheel up or down to adjust to a suitable position, hold the steering wheel, and release the adjustment pole.

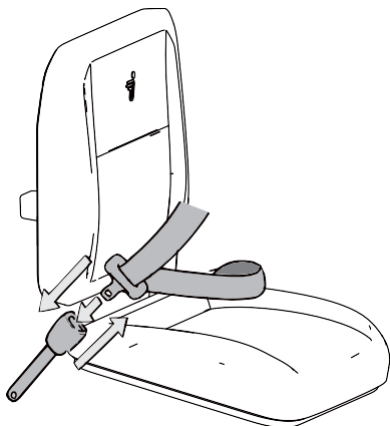
After adjusting the angle of the steering wheel, check whether the steering wheel is firm.

WARNING

Do not adjust the steering wheel when driving.

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

SEAT BELTS



Fasten the seat belt as soon as you get in the vehicle. The seat belt can effectively protect the driver and the passengers.

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

- ◆ Stretch the shoulder buckle so that it covers the entire shoulder, but do not touch the neck or slipping off the shoulder.
- ◆ Place the waist buckle as low as possible across the hip.
- ◆ Sit up straight with your back against the seat.
- ◆ Do not twist the seat belt.

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

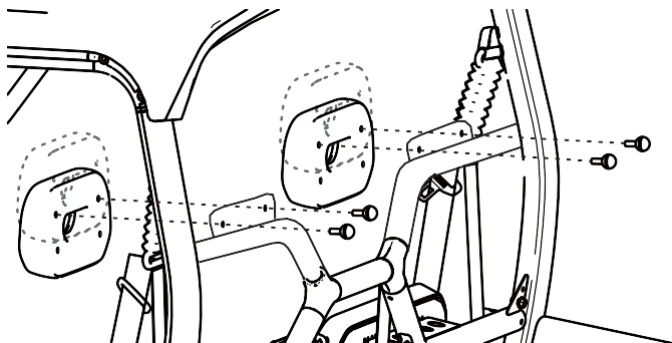
Press the release button to release the seat belt.

⚠ CAUTION

Before every ride check all seat belts if they work properly.

1. Push the latch plate into the buckle until it clicks.
2. Pull out each seat belt and check for any damage, including cutting, grinding, damage, wear, or stiffness. If any damage is found, contact a Segway Powersports service for replacement.
3. To clean the dirt or debris on the seat belt, wipe the belt with mild soap and water. Never use bleach, dyes or household detergents.

HEADREST ADJUSTMENT



The seat headrest can be adjusted. When the upper row of headrest holes is used, the headrest position is low. When the lower row of headrest holes is used, the headrest position is high.

CAB DOORS / SAFETY NETS

Whether this vehicle is equipped with a cab doors or a safety nets, the doors or safety nets must be closed and locked before the ride.

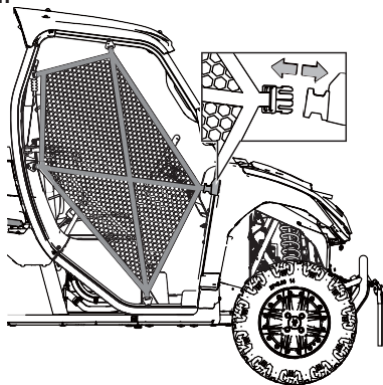
In the event of an accident or rollover, the risk of serious injury or death will increase without closing or locking the cab door.

Before each ride, be sure to check the wear and tear of the door, door latch or safety nets and locks.

Replace any worn or damaged parts timely. New parts can be obtained from your authorized Segway Powersports dealer.

SAFETY NETS

The safety net has five fixed points, the front lock is movable, and the remaining four are fixed installation and cannot be quickly removed.



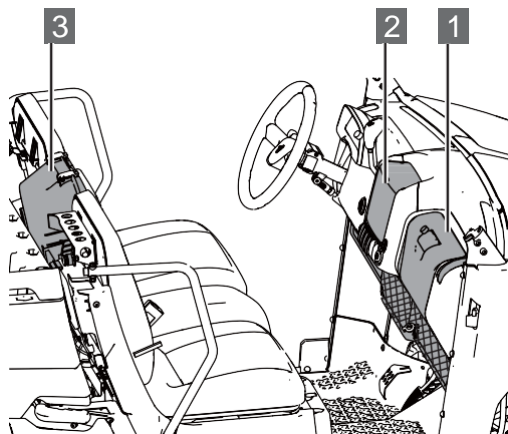
Securing the net

Insert safety net latch into the lock when you are in the cab.

Opening the net

Loosen safety net front lock latch before leaving the vehicle.

STORAGE BOX



- 1 Front storage box. Tools are placed in this box.
- 2 Middle storage box or touchscreen display, when installed
- 3 Passenger backrest storage box (FUGLEMAN UT10 only)

This box can be removed. Click the upper part of box and lift the box out. Meanwhile, move upper left and right buckles of the box to open this box.

▲ WARNING

Keep the storage box closed if you do not use it, or you could be hurt by the items in the storage box or when its opened in emergency braking or turning, resulting in accident.

FUEL

The fuel tank cap is located in the front right of the vehicle.

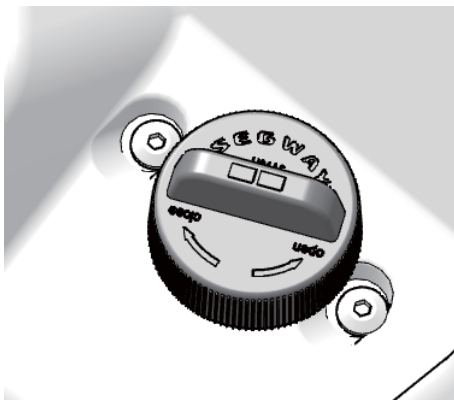
WARNING

Always use only 95 octane Unleaded gasoline.

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

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

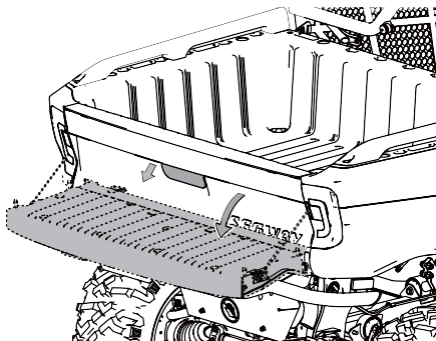
Do not overfill the fuel tank.



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

CARGO BOX TAILGATE

Open the tailgate by lifting the handle of the rear door panel. Lift the tailgate up and push it hard. When you hear the "click" of the tailgate lock, the door is closed. After closing, check whether the tailgate is locked.



WARNING

Do not carry passengers in the cargo box.
Do not exceed the maximum loading limits of the cargo box.

ELECTRIC POWER STEERING (EPS)

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

NOTICE

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

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

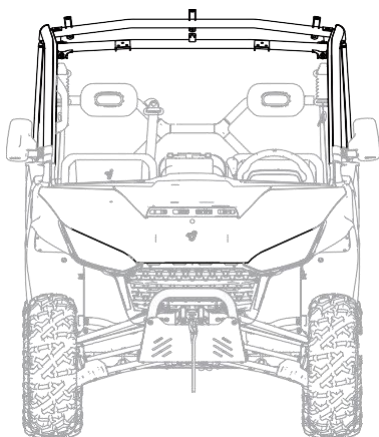
If the EPS indicator light continues to light up after the engine is started, it means that the EPS system has failed. Please contact your Segway Powersports dealer.

ROLL-OVER PROTECTIVE STRUCTURE (ROPS)

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

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

The dealer thoroughly inspects the ROPS and replaces it, if needed.



No device can assure 100% protection in the event of a rollover. When used with seat belts and cab nets or doors, the ROPS helps prevent occupants from being thrown out from the vehicle. Always follow all safe operating practices in this manual to avoid vehicle rollover.

WARNING

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



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

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

WARNING

Failure to inspect and verify that the vehicle is in safe operating condition before ride increases the risk of an accident. Always perform the Pre-ride Inspection outlined in the Operation chapter before every 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 manual.

See the Periodic Maintenance section.

BASIC DRIVING 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

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

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

VEHICLE BREAK-IN PERIOD

Your vehicle's break-in period is the first **300 km** or **6 months** of operation. Careful treatment of a new engine and drivetrain components will improve the performance and service life of these components. Follow these steps properly.

BRAKE SYSTEM BREAK-IN PERIOD

In order to achieve the best braking performance, the brakes must be beaded at least **200 km**.

Heavy or excessive braking during brake system running-in period may damage brake pads and brake rotors.

BELT BREAK-IN

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

Avoid sharp turns

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

DRIVING WITH PASSENGERS

1. Finish New operator driving procedures on the page 67.
2. Pre-ride check. Please refer to the page 76.
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 passengers must wear helmets, eye protectors, gloves, long-sleeved shirts, trousers, ankle boots and seat belts. Please refer to the page 14.
6. Passenger can only sit in the passenger seat when riding.
7. Slow down. Always travel at a speed appropriate for your skills, your passengers' skills and operating conditions. Avoid unexpected or aggressive maneuvers that could cause discomfort or injury to a passenger.
8. Vehicle handling may change with passengers and/or cargo on board. Allow more time and distance for braking.

STARTING THE VEHICLE

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

Wear complete riding gear before starting the vehicle. Make sure the doors / safety nets are closed, and the driver and all passengers have fastened their seat belts.

PARKING THE VEHICLE

1. Press the brake pedal and put the gear in "P" position.
2. Turn the ignition key to the "OFF" position, and remove the key from the vehicle.
3. Set the parking brake (page 50)

BRAKING

1. Release the throttle pedal completely.

NOTICE

When the throttle pedal is released completely and engine speed slows to near idle, the vehicle has no engine braking.

2. Press on the brake pedal evenly and firmly.
3. Practice starting and stopping (using the brakes) until you're familiar with the controls.

PARKING THE VEHICLE

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

DRIVING ON SLIPPERY SURFACES

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

1. Do not operate on excessively rough, slippery or loose terrain.
2. Slow down when entering slippery areas.
3. Engage 4x4 drive before wheels begin to lose traction.

NOTICE

Severe damage to drivetrain may occur if the 4x4 is engaged while the wheels are spinning. Allow the rear wheels to stop spinning before engaging 4x4, or engage 4x4 before wheels begin to lose traction.

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

DRIVING THROUGH WATER

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

NOTICE

Major engine damage can result if the vehicle is not thoroughly inspected after operating in water. Perform the services outlined in the Periodic Maintenance Chart. The following areas need special attention: engine oil, transmission oil, differential oil 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. Visit an authorized Segway Powersports service for this service. If it's impossible to bring the vehicle to the workshop 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 depth 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.

If it's unavoidable to enter water deeper than the floor level:

5. Proceed slowly. Avoid rocks and obstacles.
6. Maintain a steady 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 riding 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 hands on the steering wheel.
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 riding 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, if possible. Avoid descending a hill at an angle, which would cause the vehicle to lean sharply to one side.
4. Slow down.
5. Apply the brakes slightly to aid in slowing.

RIDING ON A SIDEHILL (SIDEHILLING)

Riding 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 area, be sure that the area is well ventilated and that the vehicle is not close to any source of flame or sparks, including any gas appliances 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

The engine break-in period is the first **300 km** or **6 months** of operation, whichever comes first. During engine break-in period:

- Avoid full throttle operation.
- Avoid pressing the accelerator pedal past $\frac{3}{4}$ down.
- Avoid continuous acceleration.

The brake system needs a **200 km** 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 break-in period avoid full-throttle operation, rapid acceleration, and operation in constant rpm.

PRE-RIDE INSPECTION

Perform a pre-ride inspection before each ride to detect any potential problem that could occur during operation. The pre-ride inspection will help you monitor component wear and deterioration before they become a problem. Correct any problems that you discover to reduce the risk of a breakdown or accident.

Inspection items:

Item	Note	Page
Brake system/ pedal travel	Ensure proper operation	48
Brake fluid	Ensure appropriate level	122
Front suspension	Check and lubricate if necessary	129
Rear suspension	Check and lubricate if necessary	129
Tires	Check status and pressure	124
Wheel nuts/ fasteners	Check the tightness of wheel nuts/ fasteners	126
Nuts, bolts, fasteners	Check to make sure it's tight	---
Fuel	Ensure appropriate level	60
Engine oil	Ensure appropriate level	101
Coolant level	Ensure appropriate level	119
Coolant pipe	Check leakage	---
Throttle	Ensure proper operation	---
Air filter /Pre-filter mesh	Check, clean	131-133
Front headlight	Check operation	39
Brake light/taillight	Check operation	---
Seat belts	Check whole length of the belts for damage; check whether the latch operates normally	56

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 distance 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 of your vehicle.

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 load to maintain stable riding conditions.

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

⚠ WARNING

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

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

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

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

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

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

Your vehicle has been designed to carry or tow specific capacities. Reduce speed and allow a greater distance for braking when carrying cargo. Loads should be centered and carried as low as possible in the box. For stability on rough or hilly terrain, reduce both speed and cargo. Exercise caution if the cargo load extends over the side of the box.

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

BELT LIFE

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

TOWING LOADS

WARNING

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

Always follow these precautions when towing:

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

MAXIMUM LOADING CAPACITY

Do not exceed the maximum loading capacity:

	FUGLEMAN UT10	FUGLEMAN UT10 CREW
Maximum weight capacity	680 kg	580 kg
Maximum cargo load	350 kg	205 kg
Maximum unbraked towing mass	400 kg	400 kg
Maximum unbraked tongue mass	110 kg	110 kg
Maximum braked towing mass	700 kg	700 kg
Maximum braked tongue mass	110 kg	110 kg

WARNING

When the vehicle is equipped with comfort shock absorbers, do not carry more than half of the maximum load capacity and do not carry more than half of the maximum cargo capacity.

If the vehicle is carrying more than half of the maximum load capacity or more than half of the maximum cargo capacity, use Segway's load shock absorbers.

DUMPING THE CARGO BOX

To dump the cargo box, do the following:

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

⚠ WARNING

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

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

⚠ WARNING

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

LOADING GUIDELINES

When transporting cargo, please follow instructions below:

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

TRAILER

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

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

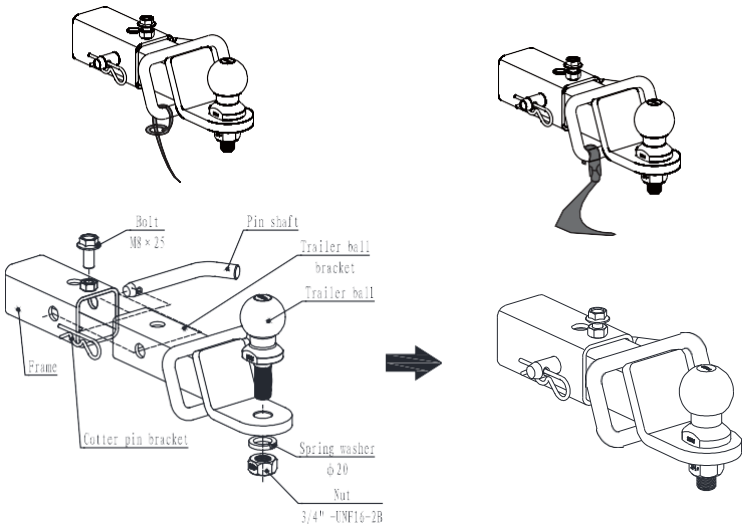
Where a designated attachment point is provided on the tow bar:

Either:

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

Or:

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



WINCH OPERATION

If your vehicle is equipped with a winch, please read this manual before installation and use to understand and to be familiar with the 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's strictly prohibited for people under the age of 16 years 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 50 kg.
- 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 vehicle's 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.

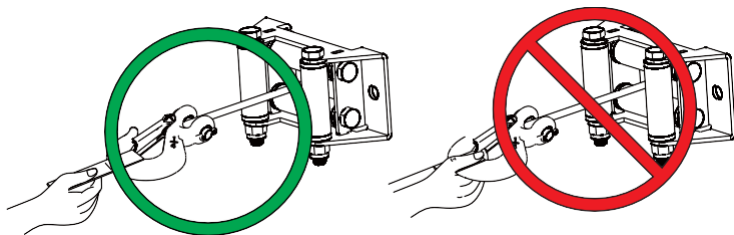
- After the operation, release the load immediately and do not tighten the rope.
- Always stay away from ropes, hooks and winches when in operation or under load.
- Check winches, ropes, hooks, and broken strands of worn rope regularly. When handling the rope, please wear thick leather gloves. Do not 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. Wire must be re-wound under a load of about 50 kg.
- 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 battery on the winching vehicle. Start the vehicle and step on the accelerator pedal lightly to prevent the battery from running low.
- 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.

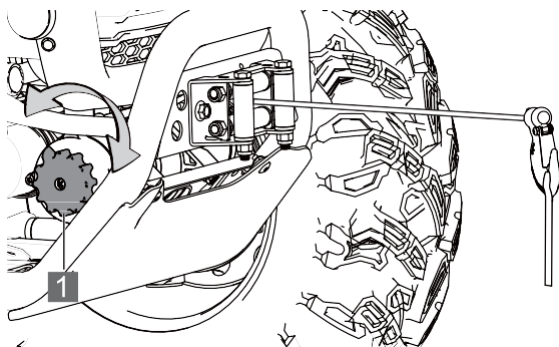
▲ WARNING

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

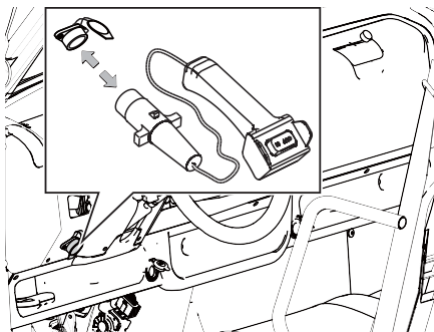
Manual release of the rope / cable



1 Manual release switch

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

Operation of Remote Control switch



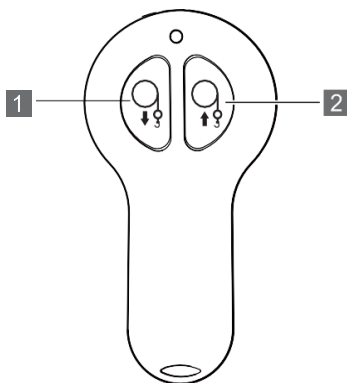
OUT: Release the winch cable

IN: Winch the cable in

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

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

Remote control



1 Release the winch cable

2 Winch the cable in

NOTICE

If remote control doesn't work, it may be that the battery in the remote control is weak. If so, replace the battery with a new one.

When the winch is needed, the rope should be aligned with the vehicle, possibly in a straight line. Too large angle will change the direction of tension and damage the cable. In case of serious noise or vibrations during winching, the winching must be stopped immediately.



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PERIODIC MAINTENANCE

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

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

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

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

Severe use is defined as:

- Frequent operation in mud, water, or sand.
- Frequent or prolonged operation in dusty environments.
- Short trips and cold weather operation.
- Racing or racing-style riding with high RPM use.
- Prolonged low speed and heavy load operation.
- Extended idling.

Maintenance Chart Key

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

⚠ WARNING

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

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

MAINTENANCE CHART

PRE-RIDE MAINTENANCE

ITEM	MAINTENANCE INTERVAL	REMARKS
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 pedal	Pre-Ride	
Engine oil level	Pre-Ride	
Air filter, Pre-filter	Pre-Ride	Inspect. clean often. Replace as needed
Coolant	Pre-Ride	Check level.
Power steering unit EPS (if equipped)	Pre-Ride	Inspect daily. Clean often.
Headlight/ taillight/ position light	Every week	Check operation. Apply dielectric grease if replacing lamps

AFTER BREAK-IN MAINTENANCE (300 km)

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)		REMARKS
		CALENDAR	KM	
	Fuel System	3 M	300	Break-in check: cycle key to pressurize fuel pump; check lines and fittings for leaks and abrasion
	Engine oil change	3 M	300	Break-in check: oil and filter change
	Front gearcase oil	3 M	300	Break-in check: oil level check
	Rear gearcase oil	3 M	300	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
		CALENDAR	KM	
▶	Brake pad wear	Monthly	160	Inspect periodically; replace as needed
	Battery	Monthly	300	Check terminals; clean; test
▶	Air filter / Main filter element	Weekly	800	Inspect weekly; replace as needed; inspect more frequently if subjected to severe use
▶	General lubrication	3 M	800	Lubricate all fittings, pivots, cables, etc.
	Throttle body intake duct	6 M	800	Inspect duct for proper sealing/air leaks
	Drive belt	6 M	800	Inspect; adjust; replace as needed
	Cooling system	12 M	2000	Inspect coolant strength seasonally; pressure test system yearly
▶	Engine oil change	12 M	2000	Change the oil and filter

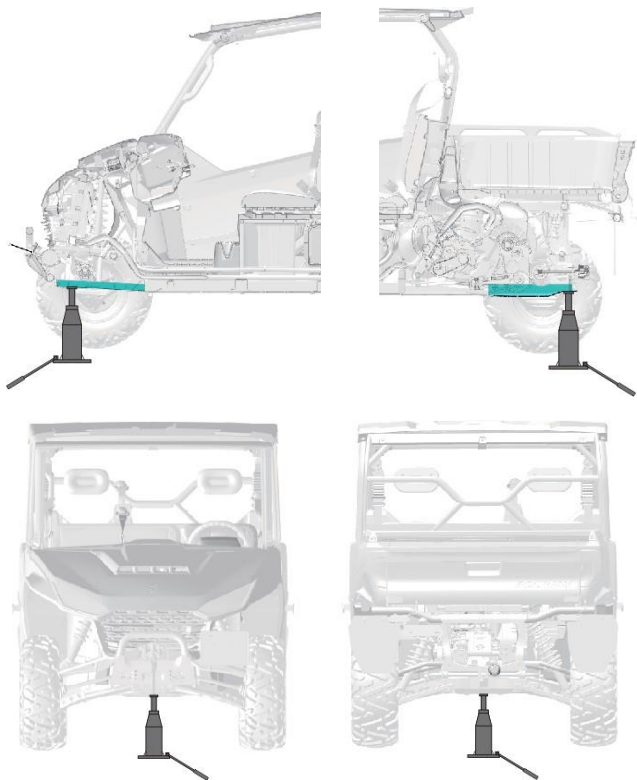
PERIODIC MAINTENANCE

ITEM		MAINTENANCE INTERVAL (WHICHEVER COMES FIRST)		REMARKS
		CALENDAR	KM	
▶	Oil lines and fasteners	12 M	2000	Inspect for leaks and loose fittings
▶	Front gearcase oil	12 M	2000	Change fluid;
▶	Rear gearcase oil	12 M	2000	Change fluid
D	Fuel system/filter	12 M	2000	Cycle key to pressurize fuel pump; check for leaks at fill cap, fuel lines/rail and fuel pump; replace lines every 2 years
▶	Radiator (if applicable)	12 M	2000	Inspect; clean external surfaces
▶	Cooling hoses	12 M	2000	Inspect for leaks
▶	Engine mounts	12 M	2000	Inspect
	Exhaust muffler/ pipe / Joints	12 M	2000	Inspect; clean; replace worn parts
D	Spark plugs	12 M	2000	Inspect; replace as needed
D	Clutches (drive and driven)	12 M	2000	Inspect; clean; replace worn parts
D	Front wheel bearings	12 M	2000	Inspect; replace as needed
D	Brake fluid	24 M	4000	Change every two years
	Spark arrestor	36 M	6000	Clean out
▶	Coolant	60 M		Replace coolant
D	Valve clearance		8000	Inspect; adjust
	Idle speed			Adjust as needed
D	Toe adjustment			Inspect periodically; adjust when parts are replaced
	Headlight aim			Adjust as needed

LIFTING AND SUPPORTING THE VEHICLE

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

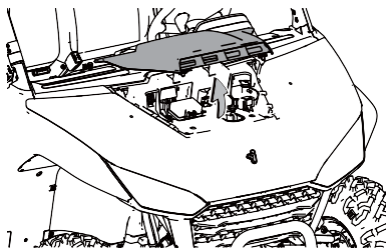
When lifting the front or rear of the vehicle, place the jack in the left and right center of the front or rear of the vehicle, as shown in the figure below:



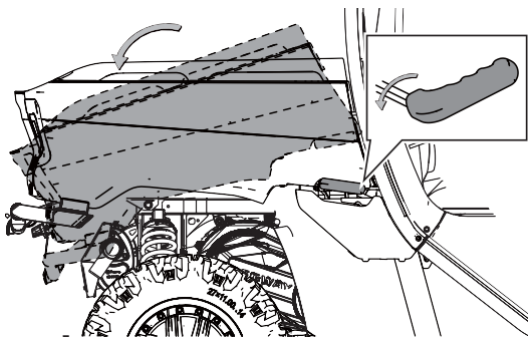
Jack support position

FRONT SERVICE LID

Hold the front service lid and lift it upward. Open the lid. Fuse box, coolant filling port, located under the front service lid.



LIFT CARGO BOX



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

Lift the cargo box release handle to raise the cargo box. The lock hook of the cargo box will spring open. The cargo box will slowly tilt upwards and stop automatically when it reaches the turning limit. Push down from the front of the cargo box to lower and secure the latch.

CAUTION

Before lifting the cargo box for unloading, open the tailgate first.

LUBRICATION

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

Project	Recommended model	Capacity		Inspection procedure
		FUGLEMAN UT10	FUGLEMAN UT10 CREW	
Engine oil	SAE 10W-50 SL or higher	3300 ml	3300 ml	Maintain level in safe range on dipstick
Front differential	SAE 80W-90 GL-5	260 ml	260 ml	Exchange every 2000 km
Gearbox / Rear differential / Rear final drive	SAE 80W-90 GL-5	1400 ml	1400 ml	
Coolant		6500 ml	8000 ml	Maintain the level between the fill lines.
Brake fluid	DOT4			Maintain the level between the fill lines.
Suspension, stabilizer bar grease	Grease nozzle every 800 km (2 pumps max).			

ENGINE OIL

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

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

It is recommended to use 5W-50 SL four-cycle oil or similar oil for this engine. Follow the manufacturer's recommendations for ambient temperature operation. Please refer to the lubricant guide section for oil recommendations and capacity.

Recommended engine oil:

MAXIMA PRO PLUS+ 10W-50, API SL

CAUTION

Mixing brands or using non-recommended oils may cause engine damage.

ENGINE OIL LEVEL CHECK

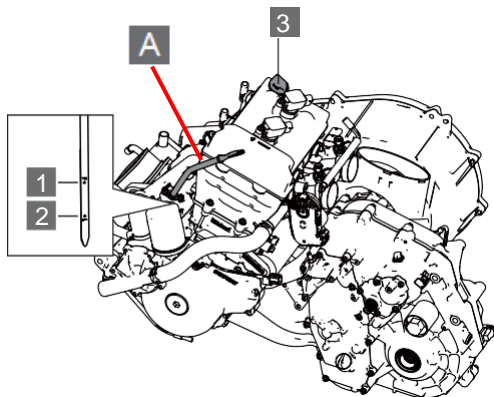
NOTICE

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

Daily Oil Level Check

1. Position vehicle on a level surface and place the transmission in PARK.
2. Raise the cargo box, the oil dipstick is under the box.
3. Unlock the dipstick lever **A** and pull it out.
4. Wipe the dipstick clean and re-insert it, then take it out and check the oil level.

Check the oil level as shown in the figure below. If the oil level is between the upper **1** and the lower mark **2**, it is the correct oil level. Below the lower mark means the oil is too low, and above the upper mark means there is too much oil. Too low or too full is not recommended.



1 Upper mark

2 Lower mark

3 Oil filler cap

A Oil dipstick

5. After cleaning the dipstick, reinsert and tighten the dipstick.
6. If the oil level is close to or lower than the MIN level mark, please refer to page 104 to add an appropriate amount of oil.

Oil Level Check after Regular Oil Change

NOTICE

This procedure is only for the new vehicle first oil level check or after an oil change in the engine.

1. Position vehicle on a level surface and place the transmission in PARK.
2. Start the vehicle and let the engine idle for 5 minutes.
3. Stop the engine and allow it to cool down.
4. Remove the oil dipstick **A** .
5. Wipe the dipstick clean and re-insert it, then take it out to check the oil level.

Check the oil level as shown on page 101. If the oil level is between the upper **1** and the lower mark **2**, it is the proper oil level. Below the lower mark means the oil is too low, and above the upper mark means there is too much oil. Too low or too full is not recommended.

6. After cleaning the dipstick, reinsert and tighten the dipstick.

CHANGING ENGINE OIL & OIL FILTER

Have your engine oil changed by an authorized Segway Powersports dealer. As part of the change, the service will also change the oil filter and clean the oil strainer.

NOTICE

Whenever changing oil, change also the oil filter.

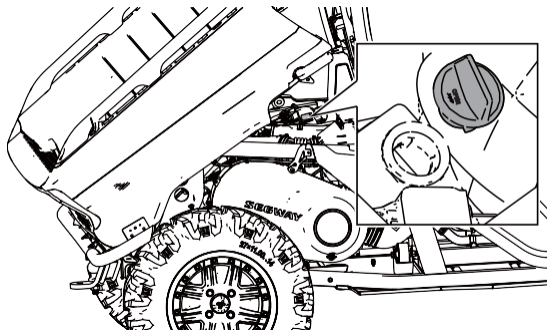
Recommended engine oil: MAXIMA PRO PLUS+ 10W-50, API SL

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.

ADDING ENGINE OIL



Recommended engine oil: MAXIMA PRO PLUS+ 10W-50, API SL

Lift the cargo box and find engine oil cover underneath.

1. Unscrew the oil filler cap counterclockwise.
2. Add an appropriate amount of the recommended type of oil type and be careful to do not overfill it. The correct oil level is between the upper level and the lower level marks on the dip stick.
3. Tighten the oil filler cap.
4. Put the gear shifter in "Park".
5. Lock the parking brake.
6. Start the engine and leave let it idle for 5 minutes.
7. Stop the engine.
8. Check for any leaks.
9. Check the oil level and add oil as needed to make the oil level reach the mark on the dipstick.

FRONT/REAR DIFFERENTIAL*/GEARBOX / FINAL DRIVE OIL*

Check and replace front/rear differential* / gearbox / final drive* oil at intervals specified in Periodic maintenance chart.
* If equipped

NOTE: On this model, the rear differential (or rear final drive, if equipped) uses the same oil fill as the gearbox. Therefore, checking/changing the oil in the gearbox is also checking/changing the oil in the rear differential (or rear final drive, if equipped).

Replace the front differential oil every 25 hours if the 4WD unit is exposed to extreme use. Extreme use includes any of the following:

- Continuous 4WD operation in mountains
- Riding in mountain areas for long periods of time in 4WD
- 4WD is the primary mode of all-wheel drive operations

NOTICE

If the front differential makes too much noise during 4WD operation, change the front differential oil. If the noise continues, visit your Segway Powersports dealer.

Use only the recommended oil type. Using other oil may result in improper operation. Maintain oil level in the front differential at the bottom of filling hole thread.

Recommended Front differential oil:

SAE 75W-90 GL-5 (Maxima SAE 75W-90 GL-5)

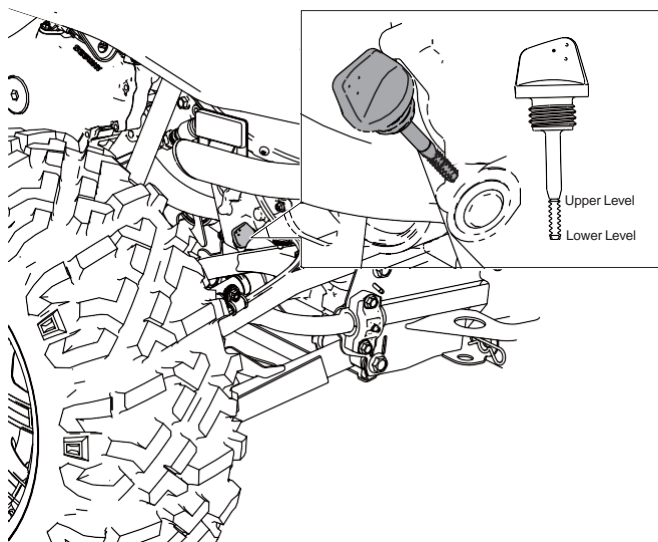
Recommended Rear differential / Gearbox / Final drive oil:

SAE 75W-90 GL-5 (Maxima SAE 75W-90 GL-5)

REAR DIFFERENTIAL* / GEARBOX / FINAL DRIVE* OIL LEVEL CHECK

* If equipped

1. Park the vehicle on the level ground. Put the vehicle to a stop.
2. With a rag, remove and pull out the oil dipstick.
3. Clean the dipstick.
4. Re-insert the dipstick completely.
5. Check the oil level as shown in the figure above. The oil should be in the both marks. Add if the oil level is low.
6. Wipe the dipstick before reinstalling.



FRONT/REAR DIFFERENTIAL / GEARBOX / FINAL DRIVE OIL CHANGE

On this model, the rear differential (or rear final drive, if equipped) uses the same oil fill as the gearbox. Therefore, checking/changing the oil in the gearbox is also checking/changing the oil in the rear differential (or rear final drive, if equipped).

Have your front/rear differential / gearbox / final drive oil changed by an authorized Segway Powersports dealer.

Recommended front differential oil:

SAE 75W-90 GL-5 (Maxima SAE 75W-90 GL-5)

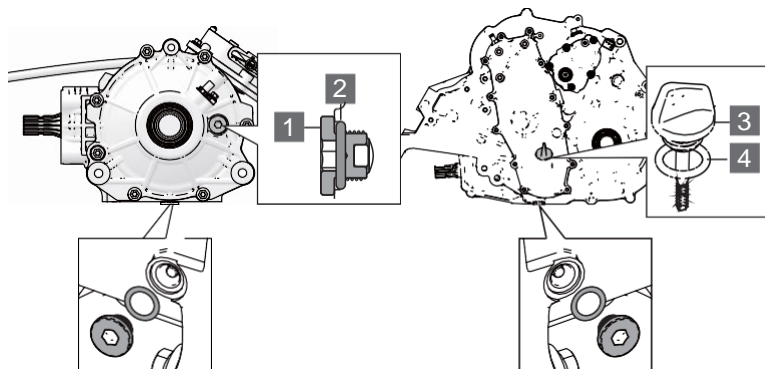
Recommended Rear differential / Gearbox / Final drive oil:

SAE 75W-90 GL-5 (Maxima SAE 75W-90 GL-5)

ADDING FRONT/REAR DIFFERENTIAL / GEARBOX / FINAL DRIVE OIL

Front

Rear differential / Gearbox / Final drive



1 Filling Plug

2 O-ring

3 Oil Dipstick

4 O-ring

Torque

Filling plug: 16-20 Nm

1. Position the vehicle on a horizontal plane.
2. Remove filling plug
3. Add the required amount of oil.
4. Reinstall the filling plug
5. Tighten to desired value.
6. Check for any leakage.

CVT BELT

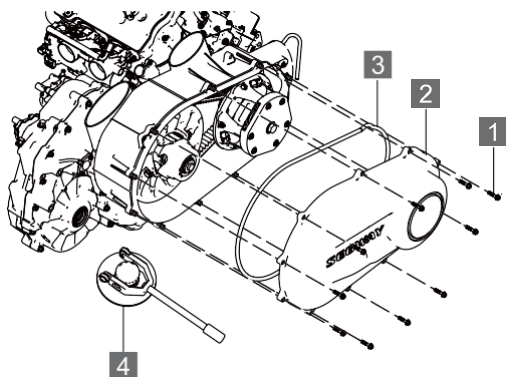
Replace the CVT drive belt in intervals specified in the maintenance schedule. If the belt is damaged, it should be replaced immediately.

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

WARNING

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

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



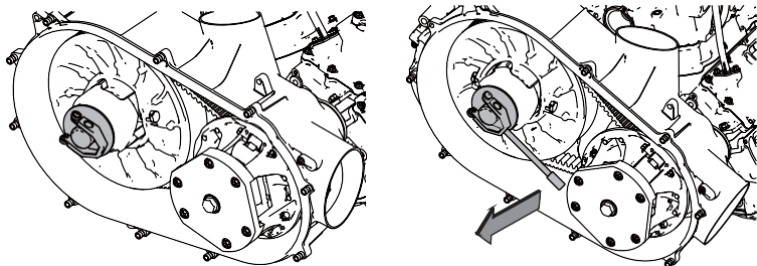
1 CVT Cover bolt

2 CVT Cover

3 CVT Cover gasket

4 CVT Belt replacement tool

1. Access the variator cover, remove the CVT outer cover bolts, outer cover and the cover gasket.
2. Remove the handle from the CVT belt replacement tool, and manually screw the CVT belt replacement tool into the thread of the CVT driven pulley.



3. Screw the handle back on the CVT belt replacement tool and pull the handle outward to open the CVT driven pulley.
4. Remove the drive belt from the CVT driven and drive pulleys.

If there are debris in the CVT inner compartment, remove all debris completely.

Install the drive belt

The installation steps are basically the reverse of the removal procedure.

1. Wrap the drive belt around the CVT drive pulley (smaller).
2. Use the CVT belt replacement tool to open the CVT driven pulley and wind the drive belt into the CVT driven pulley.
3. Take out the belt replacement tool and rotate the driven pulley by hand several times to seat the new belt optimally.
4. Install the CVT outer cove including the gasket, and tighten the CVT cover screws.

Torque

CVT Cover bolt: 6 Nm

DRYING THE CVT SYSTEM

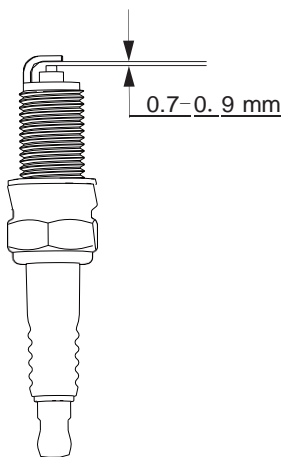
In some cases, the water may get into the CVT system and must be dried out it before driving.



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

SPARK PLUG

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



⚠ CAUTION

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

Spark Plug

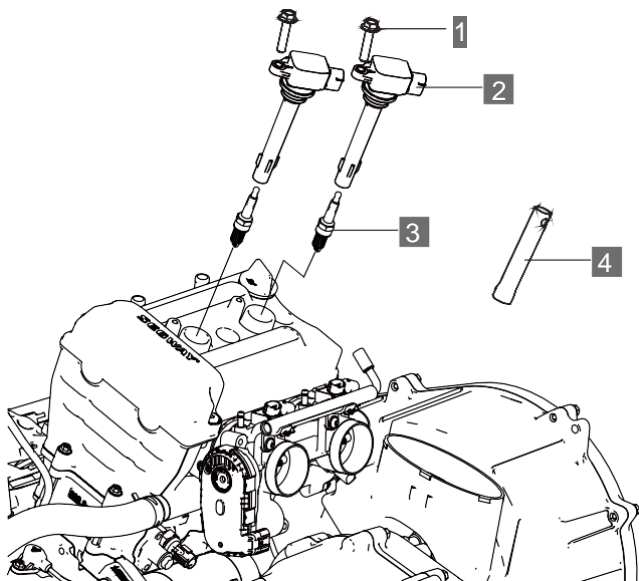
Type	NGK CPR7EA / TORCH B7RTC
Spark Plug Gap	0.7-0.9 mm
Tightening torque	12 Nm

SPARK PLUG INSPECTION

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

⚠ CAUTION

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



1 Bolt

2 Ignition coil

3 Spark plug

4 Spark plug

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

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

Normal spark plug : The electrode part is grayish white, grayish yellow or light brown, and the electrode gap is about 0.7-0.9mm.

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

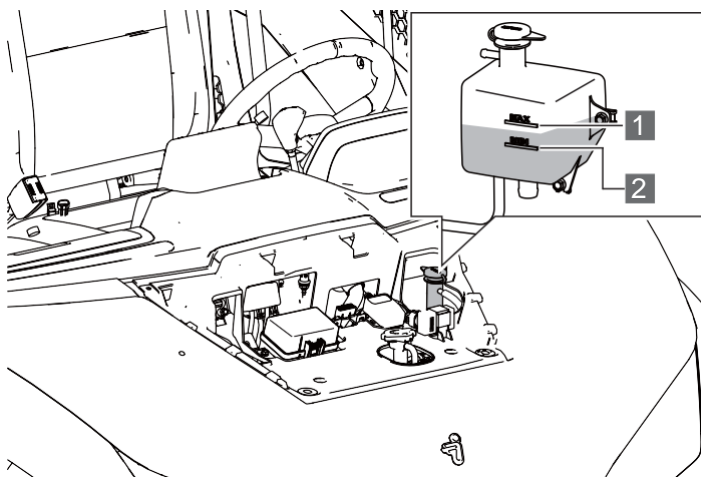
COOLANT

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

COOLANT RECOVERY BOTTLE

Coolant recovery bottle is located under the front access cover.

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



1 MAX

2 MIN

3. Unscrew the cap and pour in the new coolant. Pay attention to the coolant level when adding. Do not exceed the maximum coolant level.
4. Reinstall the cap.
5. Close the front service lid.

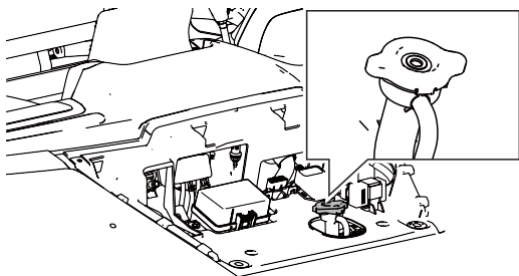
RADIATOR COOLANT

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

▲ CAUTION

Escaping hot steam can cause severe burns. Do not release the radiator pressure cap if engine is hot. The engine must cool down before the pressure cap can be removed.

Use fresh antifreeze when all coolant was drained for maintenance or repair; 50/50 premix to replace coolant. If the recovery bottle has dried up, check the radiator coolant level. Add coolant as needed.



1. Remove front service lid.
2. Remove the pressure cap.
3. Using a funnel, slowly add coolant through the radiator filling port.
4. Reinstall the pressure cap. The use of non-standard pressure cap will affect the normal operation of recovery system.

Your dealer can provide the correct replacement parts.

BRAKE SYSTEM

The front and rear brakes are hydraulic disc brakes that are activated by pressing the brake pedal with your foot. These brakes are self-regulating. As the brake pads wear away, the brake fluid level will drop. Leakage in the system will also cause the fluid level to drop.

WARNING

Brake fluid levels must be checked periodically.

Overfilling of the brake cylinder may cause brake resistance or brake locking, which may result in serious injury or death.

Keep the brake fluid at the recommended level and do not overfill.

Check brake disc wear condition regularly.

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

1. Always keep the brake fluid at an appropriate level. Refer to master cylinder/brake fluid section for details (p. 118).
2. Check the brake system for leakage.
3. Check whether the brake pedal travel is too long or feels soft.
4. Check whether the brake pads are worn, damaged or loose. Brake pads must be replaced when the remaining limit thickness of the brake pad reaches 1mm.
5. Check the safety and surface condition of the brake discs. 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, visit your Segway Powersports dealer before further operation.

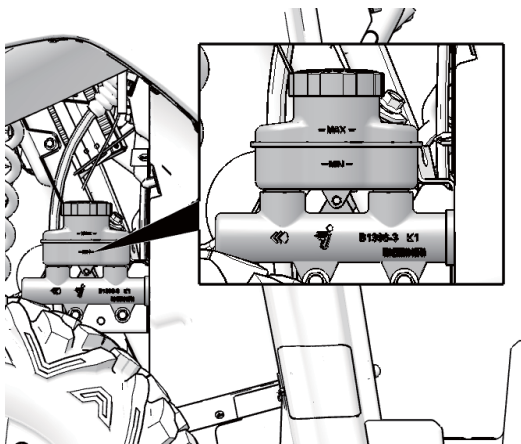
BRAKE FLUID

Use the recommended brake fluid:

Brake fluid	DOT4
-------------	------

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

1. The brake fluid container is located at the lower left of the front panel.
2. Observe the brake fluid level in the container:



MAX level

MIN level

3. The fluid level should be between the MAX and MIN level indicators. If it is lower than the MIN, add the recommended brake fluid and observe the fluid level.
4. Check whether the brake pads are worn.

NOTICE

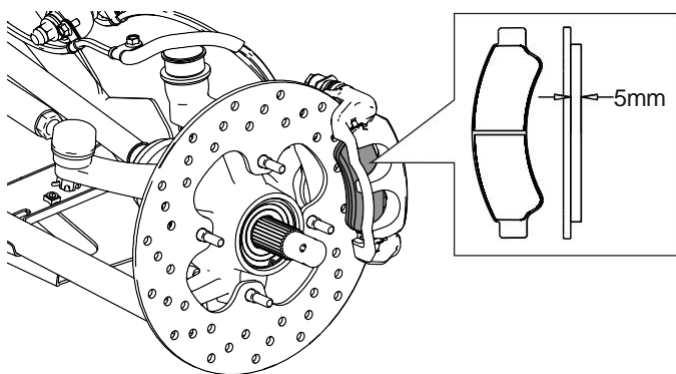
Brake fluid can damage plastic and painted surfaces and should be added with caution.

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

BRAKE PADS

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

Brake pads thickness	Standard thickness	5 mm
	Minimum thickness	1.5 mm



TIRES

TIRE PRESSURE

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

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

When checking tire pressure, use the following instructions:

Recommended tire pressure		FUGLEMAN UT10	FUGLEMAN UT10 CREW
	Front wheels 27×9.00-14	103 kPa	103 kPa
	Rear wheels 27×11.00-14	110 kPa	112 kPa
	Front wheels 30×10.00R14	---	70 kPa
	Rear wheels 30×10.00R14	---	110 kPa

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

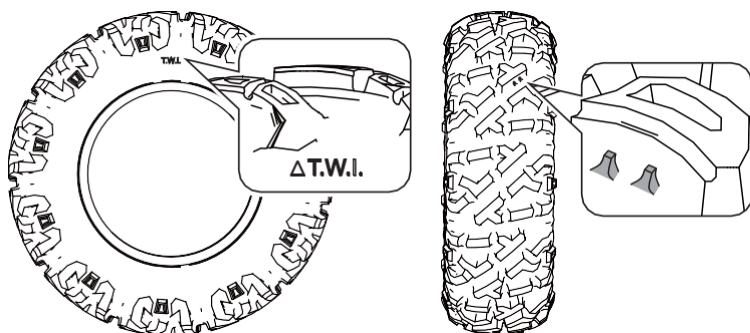
TREAD DEPTH

Method 1 - Tire Wear Indicator:

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

Method 2 - Height of the tire tread block:

Check the height of tire tread block. When the height of tire tread block is 1.6 mm above the thread, replace the tire(s).



WHEN TO REPLACE A TIRE:

- If tire is damaged, has cuts, delamination, or a deep crack of the sidewall, or a bulge, all these are indications that the tire should be replaced.
- 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 dealer.

REPLACING TIRES

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

WHEEL REMOVAL



Tighten to specification:

Torque	Wheel nuts: 100-120 Nm
--------	------------------------

1. Stop the engine.
2. Put the gear in "P" position.
3. Lock Parking brake.
4. Loosen the wheel nuts slightly.
5. Lift the side of the vehicle by placing a suitable jack under the frame.
6. Loosen all 4 wheel nuts completely.
7. Remove the wheel.

⚠ CAUTION

Loosened wheel fastener may cause the wheel to fall off during riding, which may cause accident or overturning. Always ensure that all wheels are tightened to the required torque.

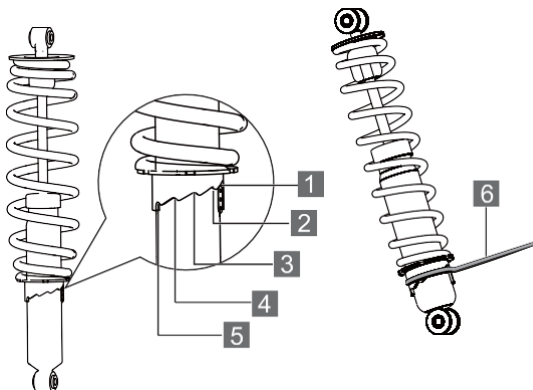
Do not use lubricating oil or grease on wheel bolts or wheel nuts. Lubricating oil or grease may cause excessive tightening of wheel nuts, resulting in damage to bolts or spoke wheels. In addition, lubricating oil or grease may cause wheel nuts to loosen and the wheels may fall off, leading to accident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

TIRE SIZES**⚠ WARNING**

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

Model	Front wheels	Rear wheels
FUGLEMAN UT10 / UT10 CREW	27 × 9.00-14	27 × 11.00-14
FUGLEMAN UT10 / UT10 CREW	27 × 9.00 R14	27 × 11.00 R14
FUGLEMAN UT10 CREW	30 × 10.00 R14	30 × 10.00 R14

SUSPENSION ADJUSTMENT



The spring adjustment sleeve of the hydraulic shock absorber has 5 adjustment positions. The spring can be adjusted according to terrain and loading conditions. If you feel too soft and too hard suspension, it can be adjusted according spring table adjustment.

Position 1:

Standard position.

Position 2 ~ 5:

When vehicle load is heavy, it can be adjusted to this position.

Position	Spring	Environment	Load	Terrain	Speed
1	Soft	Soft	Light	Flat	Low
2	↑	↑	↑	↑	↑
3					
4	↓	↓	↓	↓	↓
5	Hard	Hard	Heavy	Bumpy	High

Use hook wrench 6 to adjust the impact spring pressure.

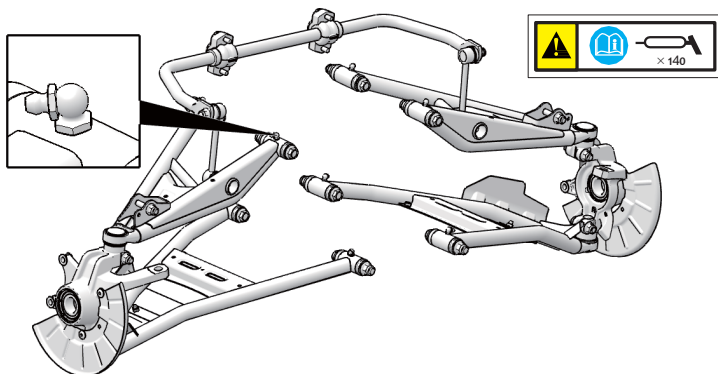
CAUTION

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

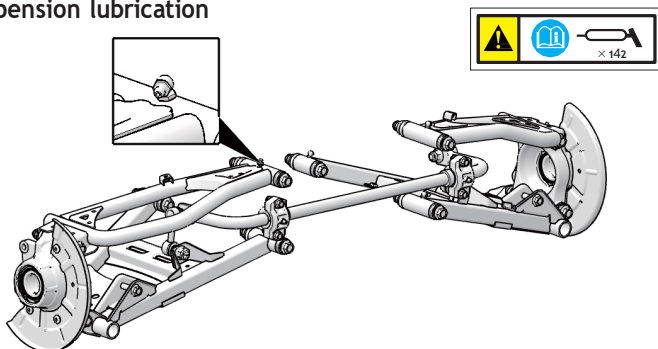
LUBRICATION

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

Front suspension lubrication

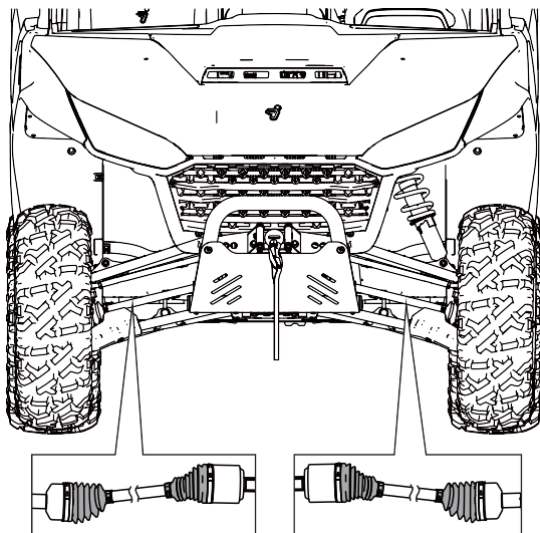


Rear suspension lubrication



FRONT/ REAR DRIVE AXLE BOOTS

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



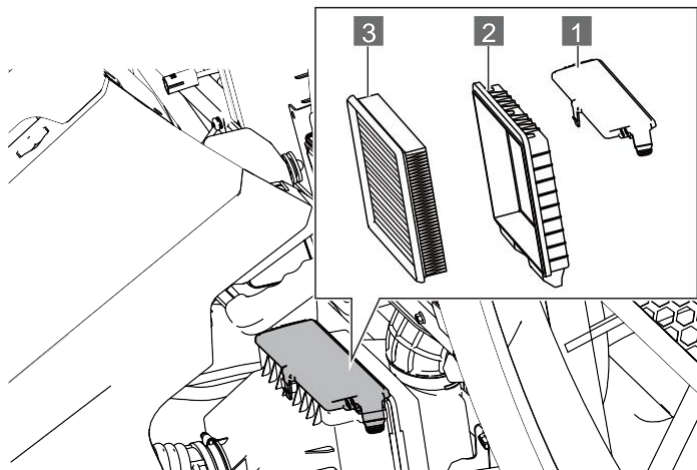
AIR FILTER

The vehicle utilizes a two-stage air filtration system. The air passes through the primary filter first and then the secondary air filter. This two-stage air filtration system fully meets the needs of the engine.

The air filter element should be replaced regularly according to the periodic maintenance table. The primary filter screen must be cleaned every time the air filter element is replaced.

REPLACING AIR FILTER ELEMENT

The air filter element needs to be changed after using for a period of time, as shown in the Maintenance Intervals.



1 Air filter cover

2 Air filter holder

3 Air filter element

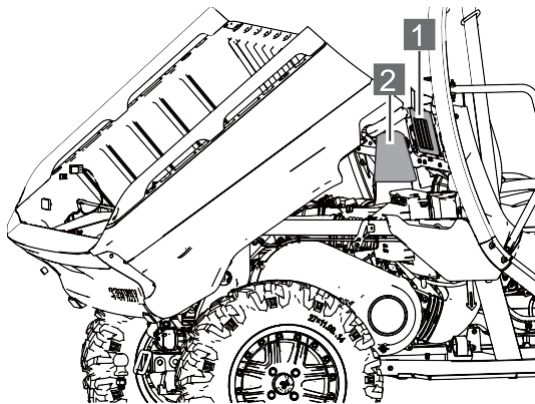
The air filter is located at the bottom right of the cargo box. Lift the cargo box to open.

1. Press the plastic buckle on the air filter cove, and pull out the air filter cover **1**
2. Pull out the air filter holder.
3. Take out the air filter element **3** from the holder, clean or replace the filter element according to the cleanliness of the air filter element.
4. Reinstall the filter element the holder.
5. Reinstall the air filter cover.

**WARNING**

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

AIR FILTER INLET CAP, CVT INLET MESH FABRIC



1 Air filter inlet cap

2 CVT inlet mesh fabric

Check the air filter inlet cap and CVT inlet mesh fabric every day.

The air filter inlet cap and CVT inlet mesh fabric is located at the bottom right of the cargo box, turn the cargo box over to open. Clean it if necessary, and replace it if damaged.

LIGHTS

CAUTION

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

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

HEADLIGHTS REPLACEMENT

LED Lights (if equipped)

LED lights consist of multiple LED segments. If any LED segment fails to operate properly, let the authorized Segway Powersports service replace the entire light assembly.

Halogen lamp (if equipped)

If the halogen lamp is burnt, it can be replaced. You can replace the following lamps by yourself. The ease of replacement varies according to the bulb type. Due to possible damage, we recommend the bulbs / lamps be better replaced by the dealer.

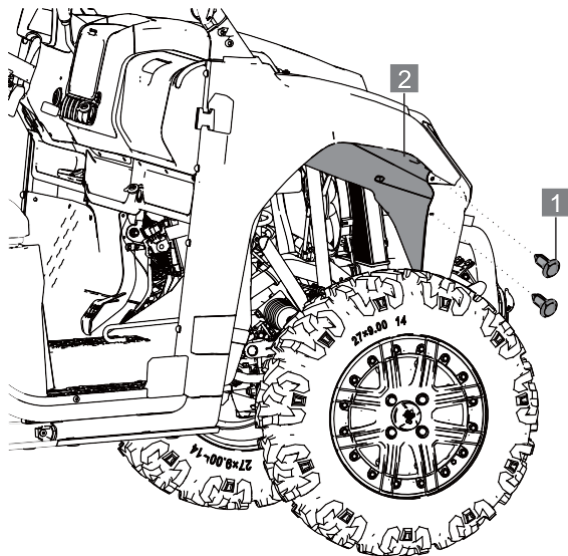
CAUTION

Hot lamps can cause skin burns. Allow the lights to cool before performing any maintenance.

DO NOT touch the halogen lamp with bare fingers. Fingerprints on the glass can cause premature lamp failure.

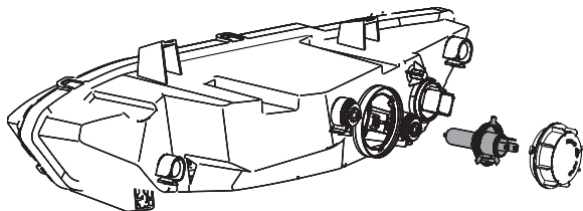
How to replace the headlamp bulb:

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



1 Expansion screw **2** Headlight cover

2. Twist clockwise and remove the headlamp cover.
3. Remove the wire harness connector from the bulb and take out the broken bulb.



4. Install the new bulb and turn on the headlights.
5. Test whether new lamp / bulb is working properly.
6. Press the fixed spring on both sides to make the spring pop out of the slot.
7. Remove the broken bulb from the light.
8. Reinstall the new lamp into the headlight assembly.

▲ CAUTION

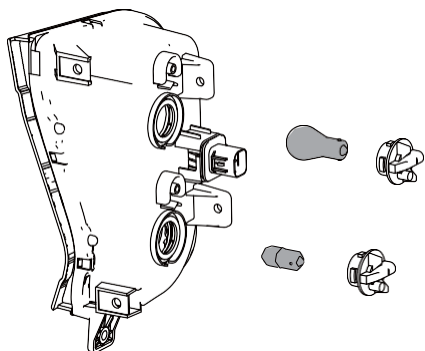
Replace the lamp with the same type and power.

Installation procedure is reverse of the removal procedure. After the installation, turn the headlights on to test, whether the lamp is working properly.

TAILLIGHT/REAR TURN LIGHT REPLACEMENT

How to change the taillights:

Remove rear light cover.



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

HIGH BEAM ADJUSTMENT

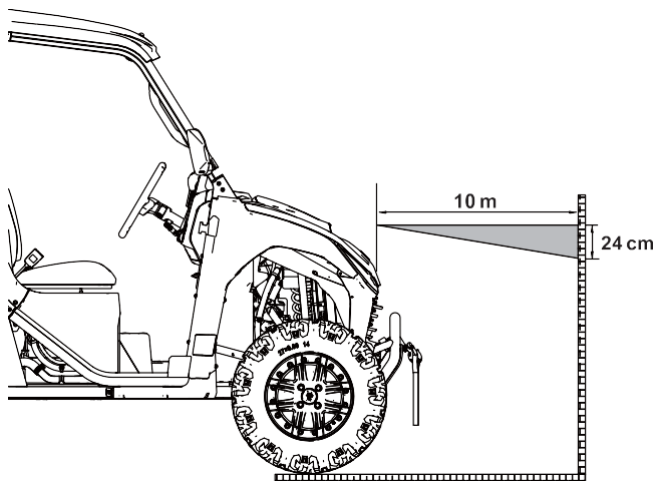
The headlight beam can be adjusted slightly up/down. Use the following procedure to make adjustments.

CAUTION

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

It's best to ask an authorized Segway dealer to adjust the high beam.

1. Place the vehicle on a level surface with the headlights approximately 10 m from a wall.

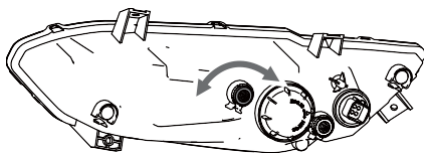


2. Measure the distance from the floor to the center of the headlights and mark the walls at the same height.
3. Apply the brakes. Start the engine. Turn on the headlights.
4. Observe the headlight aim. The most intense part of the headlight beam should be aimed 24 cm below the mark placed on the wall. Include the weight of a rider on the seat when performing this step.
5. If a headlight needs adjustment, locate the adjustment screw at the back of the headlight.

Adjusting the headlight beam upwards and downwards

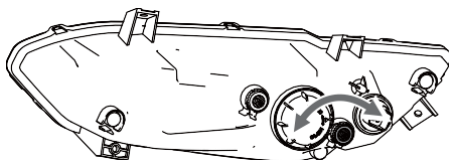
To raise the headlight beam, turn the headlight adjusting screw counterclockwise.

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



Adjusting the headlight beam left and right

The headlight beam can be adjusted to left or right.



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

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

SPARK ARRESTOR

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

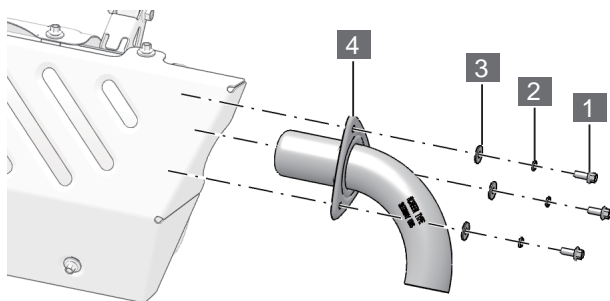
⚠ WARNING

Make sure the exhaust pipes are cool.

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

Safety glasses are recommended in this procedure.

The exhaust pipe must be cleaned periodically from accumulated carbon:



1 Bolt M6 x 16 (3x)

2 Spring washer (3x)

3 Flat washer (3x)

4 Spark arrestor

1. Remove three M6 x 16 bolts **1**, spring washers **2**, and flat washers **3**.
2. Start the engine and increase its speed about 20 times, while blocking the end of the muffler with a towel, instantly generating exhaust system air pressure;
3. Allow the exhaust pipe to cool down.
4. Use a soft brush to remove carbon deposits on the spark arrestor mesh.
5. Follow the reverse procedure of disassembly to reinstall the spark arrestor and tighten the fixing screws.

BATTERY

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

WARNING

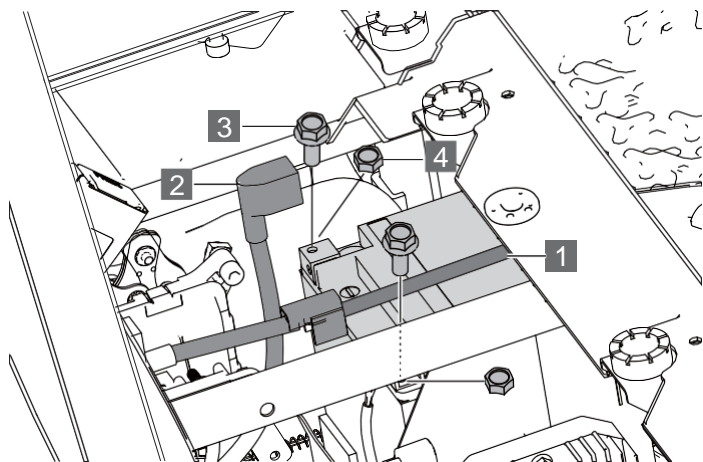
12V batteries contain toxic and corrosive sulfuric acid and may produce flammable explosive hydrogen gas. To reduce the risk of serious injury or death, the following precautions should be observed when handling 12V batteries or working near them:

- 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 battery in an open area. Do not charge a 12V battery in a poorly ventilated garage or closed room.

BATTERY REMOVAL

NOTICE

If the electrolyte overflows, immediately wash it off with a solution of 1 tablespoon of baking soda in 1 cup water to prevent damage to the vehicle. You can also use Maxima Electrical Contact / Brake Cleaner.



The battery is located under the passenger seat in single cab models (Fugleman UT10), and in the middle of the rear seat in crew cab vehicles (Fugleman UT10 Crew). Remove the seat and perform following procedures:

Turn the power off before removing battery.

- 1** Battery pull strap
- 2** Protective rubber sleeve
- 3** Positive and negative bolts for cable
- 4** Positive and negative nuts for cable

1. Remove the 2 battery pull straps
2. Turn up the protective rubber sleeve.
3. Remove the battery negative pole screw and disconnect the black (negative) battery cable.
4. Remove the battery positive pole screw and disconnect the red (positive) battery cable.
5. Remove the battery.

BATTERY CHARGING

NOTICE

Hydrogen produced by 12V batteries when charging is combustible explosive gas. Follow these precautions before charging:

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

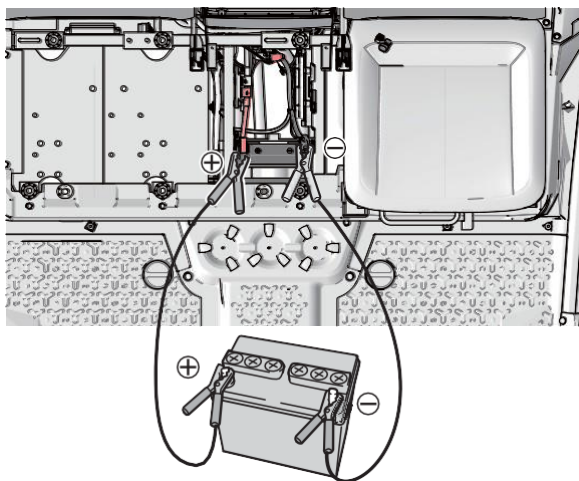
Make sure the power switch on the charger is off when connecting and disconnecting the charger cable to the 12V battery.

Only charge slowly (5A or less). If not, the battery may explode.

Using a charger that is not designed to charge maintenance-free batteries may destroy or damage your battery. We recommend using Shark CN-4000 Smart Automatic Charger to charge your battery.

Jump-starting the vehicle

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



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 soft wire brush and contact cleaner, such as Maxima Electrical Contact / Brake Cleaner. Finally, coat the terminals and bolts with dielectrical contact grease.
2. Insert the battery in the tray.
3. Connect and tighten the red (positive) cable.
4. Connect and tighten the black (negative) cable.
5. Install the battery press plate.
6. Tighten the battery clamp bolt.
7. Verify that cables are properly wired.

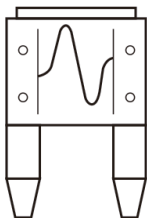
FUSE

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

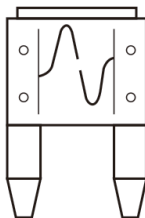
If any of the electrical parts do not work, the fuse may have blown. If this happens, check and replace the fuse if necessary. If you experience electrical fault, first check whether the fuse needs to be replaced. If it is found to have blown, replace the blown fuse. There is a spare fuse in the fuse box. Check all fuses for other possible causes. Replace all blown fuses and check the working condition of components. All fuses are placed in the fuse box. In the event of a system failure, see "Fuse/Relay location 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 box.



Normal fuse



Blown fuse

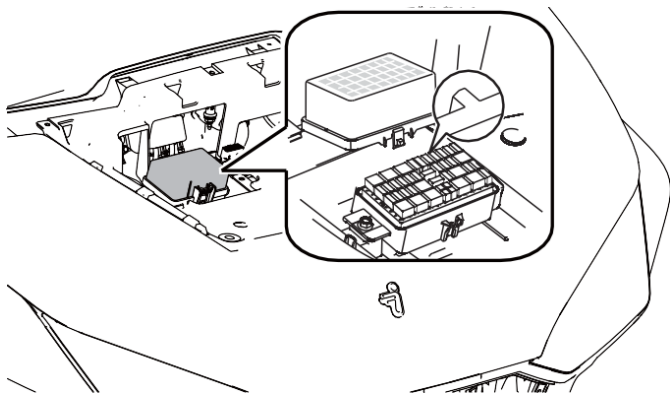
FUSE BOX

The fuse box is located under the front instrument panel. Remove the front service lid as shown in page 98.

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

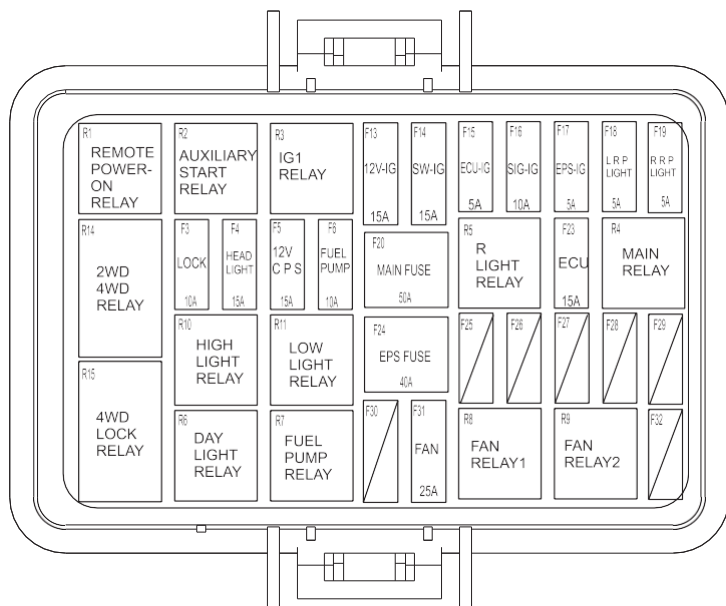
NOTICE

When installing the fuse box cover, pay attention to the orientation of the cover and locking tabs. The label may be slightly different from the image below.



FUSE/RELAY LOCATION AND AMPERE RATING

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



Location and amperage rating of fuses/relays

No.	Fuse/Relay	Power
F3	LOCK FUSE	10A
F4	HEAD LIGHT FUSE	15A
F5	12V C P S FUSE	15A
F6	FUEL PUMP FUSE	10A
F13	12V-IG FUSE	15A
F14	SW-IG fuse	15A
F15	ECU-IG fuse	5A
F16	SIG-IG fuse	10A
F17	EPS-IG fuse	5A
F18	L R P LIGHT	5A
F19	R R P LIGHT	5A
F20	MAIN FUSE	50A
F23	ECU FUSE	15A
F24	EPS fuse	40A
F31	FAN FUSE	25A
R1	REMOTE POWER-ON RELAY	12V 20A
R2	AUXILIARY START RELAY	12V 20A
R3	IG1 RELAY	12V 20A
R4	MAIN RELAY	12V 20A
R5	R LIGHT RELAY	12V 20A
R6	DAY LIGHT RELAY	12V 20A
R7	FUEL PUMP RELAY	12V 20A
R8	FAN RELAY 1	12V 20A
R9	FAN RELAY 2	12V 20A
R10	HIGH LIGHT RELAY	12V 20A
R11	LOW LIGHT RELAY	12V 20A
R14	2WD 4WD RELAY	12V 20A
R15	4WD LOCK RELY	12V 20A

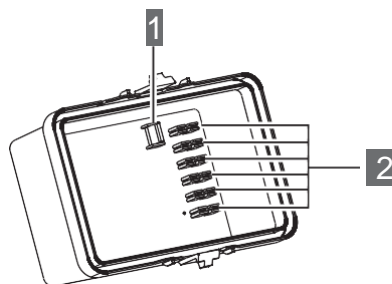
FUSE REPLACEMENT

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 suitable fuse 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, 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. After the vehicle has been cleaned, we recommend to use an air-blow gun to blow dry 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. 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 pressure-washing:

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

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.



SPECIFICATIONS

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IDENTIFICATION PLATE	155

TECHNICAL SPECIFICATIONS

Item	Model		
	FUGLEMAN UT10	FUGLEMAN UT10 CREW	
VEHICLE			
Number of seats	4	6	
Length × width × height	3100 × 1625 × 2014 mm	4000 × 1580 × 1920 mm	
Wheelbase	2085 mm	2985mm	
Front axle track	1310mm	1350mm	
Rear axle track	1320 mm	1320 mm	
Curb weight	854 kg	1010 kg	
Ground clearance	320 mm	320 mm	
Turning circle diameter	8500 mm	11500mm	
Seats height	520 mm		
Steering wheel diameter	350 mm		
Maximum weight capacity	680 kg	580 kg	
Maximum cargo box load	350 kg	205 kg	
Axle load (Curb weight)	Front (kg)	321 kg	437 kg
	Rear (kg)	435 kg	573 kg
Axle load (Full load weight)	Front (kg)	524 kg	633 kg (cargo load 205 kg)
	Rear (kg)	912 kg	953 kg (cargo load 205 kg)
EPS type	Electric		
Air filter type	Paper filter type		
Shift operation mode	Mechanical		
Fuel tank	45 L		
Fuel	Gasoline, Unleaded, 95 octane, (E10)		
Coolant capacity	6500 ml	8000 ml	

SPECIFICATIONS

SEGWAY

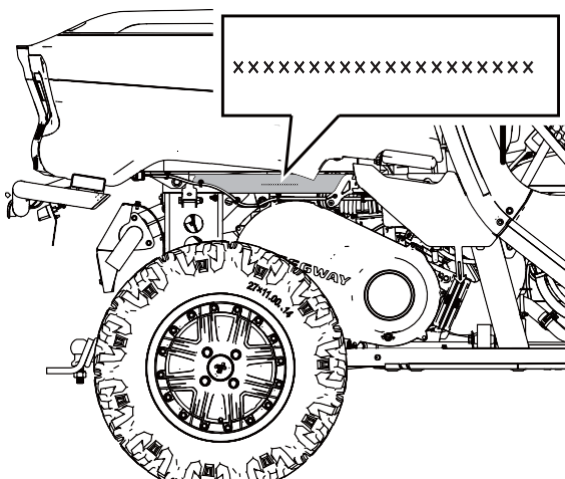
Item	Model	
	FUGLEMAN UT10	FUGLEMAN UT10 CREW
POWER / TRANSMISSION		
Engine type	Twin cylinder, liquid cooled, 4 stroke	
Engine model	293MY-1	
Displacement	1000 ccm	
Compression ratio	10.9 : 1	
Bore × Stroke	93 × 73.6 mm	
Starting method	Electric start	
Ignition type	ECU	
Spark plug type	NGK CPR7EA /TORCH B7RTC	
Spark plug gap	0.7-0.9 mm	
Lubrication	Wet sump	
Cooling	Liquid cooling	
Oil type	Engine	SAE 5W-40 SN or higher
	Gearbox	SAE 80W-90 GL-5
	Front Axle	SAE 80W-90 GL-5
Oil capacity	Engine	3300 ml
	Gearbox	1400 ml
	Front Axle	260 ml
CVT transmission ratio	0.75-3.74 (CVTech)	
Primary transmission ratio	H: 1.2	
	L: 2.15	
	R: 2.388	
Alternator	580W	680W or 980W

Item		Model			
		FUGLEMAN UT10		FUGLEMAN UT10 CREW	
TIRES					
Tires	Fr. Wheel	27×9.00-14	27×9.00-14	27×9.00-14	30×10.00R14
	Rr. Wheel	27×9.00 R14	27×11.00R14	27×11.00-14	30×10.00R14
Tire pressure	Fr. Wheel	103 kPa		103 kPa	70 kPa
	Rr. Wheel	110 kPa		120 kPa	110 kPa
Rim type / size	Fr. Wheel	Aluminum rim (14×6.5 AT) or Steel rim (14×6.0 AT)		Aluminum rim (14×6.5 AT) or Steel rim (14×6.0 AT)	Aluminum rim (14×7.0 AT)
	Rr. Wheel	Aluminum rim (14×7.0 AT) or Steel rim (14×7.5 AT)		Aluminum rim (14×7.0 AT) or Steel rim (14×7.5 AT)	Aluminum rim (14×7.0 AT)
Main brake system	Type	Hydraulic disc			
	Operation method	Foot pedal			
Parking brake	Type	Mechanical			
	Operation method	Hand			
SUSPENSION					
Fr. Suspension stroke		240 mm			
Rr. Suspension stroke		270 mm			
Suspension type	Fr.	Double-wishbone independent suspension			
	Rr.	Double-wishbone independent suspension			
Shock absorber	Fr.	Hydraulic, spring			
	Rr.	Hydraulic, spring			

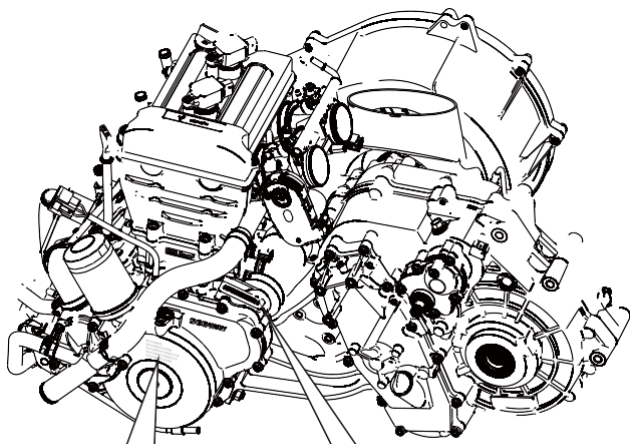
Item		Model	
		FUGLEMAN UT10	FUGLEMAN UT10 CREW
ELECTRICAL SYSTEM			
Front lights	Headlights	55W × 2 (H4)	
	Fr. Position light	LED × 7/0.5W	
	Daytime Running Light	LED × 21/4.2W	
	Front turn signal	LED × 1/4.8W	
Tail lights	Rr.Brake light	21W (P21/5W)	
	Rr. Position light	5W (P21/5W)	
	Rear turn signal	10W (RY10W)	
	Register plate lighting	LED	
Battery type / Capacity		Maintenance-free (MF) / 12V 32Ah	
Dashboard		TFT screen	
Winch		3500 lbs	4500 lbs


VIN - 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.



VIN number	
------------	--



Make: **SEGWAY**
 Mfg date: xxxx.xx (Year. month)
 FT: 293MY 293MY
 AT1/P V-####

Statutory Marking

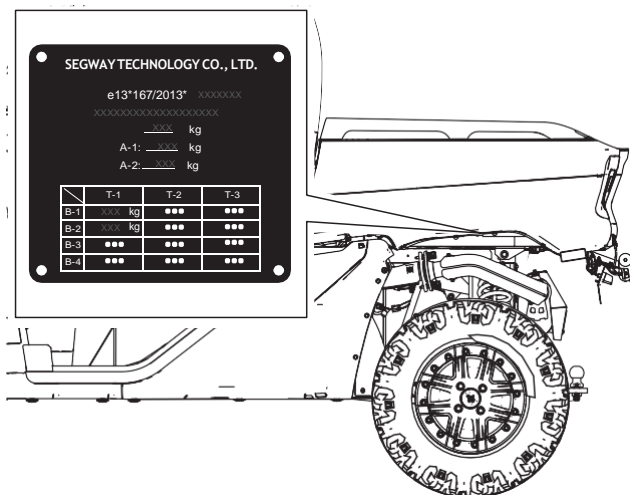
XXXXXXXXXXXX

Engine serial number

Engine serial number

IDENTIFICATION PLATE

The frame plate shows the basic characteristics information which include VIN code. The VIN code is required when the vehicle is activated for the first time.





TROUBLESHOOTING

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

DRIVE BELT AND COVER

Possible Cause	Solution
Loading the vehicle onto a pickup or tall trailer in High range gear	Shift transmission to Low range during loading of the vehicle to prevent belt burning
Starting out going up a steep incline	When starting out on an incline, use Low range
Riding at low RPM or low speeds (at approximately 5-10 km/h)	Drive at a higher speed or use Low range more frequently. The use of Low range is highly recommended for cooler CVT operating temperatures and longer component life
Insufficient warm-up of vehicle exposed to low ambient temperatures	Warm the engine before riding, the belt will become more flexible and prevent belt burning
Slow and easy clutch engagement	Use the throttle quickly and effectively for efficient engagement
Towing/pushing at low RPM / low speed	Use Low range only
Utility use/plowing snow, dirt, etc	Use Low range only

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

ENGINE DOESN'T TURN OVER

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

ENGINE PINGS OR KNOCKS

Possible Cause	Solution
Poor quality or low octane fuel	Replace with recommended fuel
Incorrect ignition timing	Visit Segway Powersports authorized dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs

ENGINE STOPS OR LOSES POWER

Possible Cause	Solution
Overheated engine	Clean radiator screen and core Clean engine exterior Visit Segway Powersports authorized dealer

ENGINE TURNS OVER, FAILS TO START

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

Old or non-recommended fuel	Replace with the new fuel
Fouled or defective spark plug(s)	Inspect plug(s), replace if necessary
No spark to spark plug	Inspect plug(s), verify stop switch is on
Crankcase filled with water or fuel	Immediately visit Segway Powersports authorized dealer
Clogged fuel injector	Clean or replace new fuel injector
Low battery voltage	Recharge battery
Mechanical failure	Visit Segway Powersports authorized 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	Visit Segway Powersports authorized dealer
Incorrect ignition timing	Visit Segway Powersports authorized dealer
Mechanical failure	Visit Segway Powersports authorized dealer

ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

Possible Cause	Solution
Fouled or defective spark plug(s)	Inspect, clean and/or replace spark plug(s)
Worn or defective spark plug wires	Visit Segway Powersports authorized 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

ENGINE RUNS IRREGULARLY, STALLS OR MISFIRES

Possible Cause	Solution
Kinked or plugged fuel vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	Visit Segway Powersports authorized dealer
Electronic throttle control malfunction	Visit Segway Powersports authorized dealer
Other mechanical failure	Visit Segway Powersports authorized dealer
LEAN OR RICH FUEL MIXTURE	
Low or contaminated fuel	Add or change fuel, clean the fuel system

Low octane fuel	Replace with recommended fuel
Clogged fuel filter	Replace filter
Fuel is very high octane	Replace with lower octane fuel

ENGINE STOPS OR LOSES POWER

Possible Cause	Solution
Out of fuel	Refuel
Kinked or plugged fuel vent line	Inspect and replace
Water present in fuel	Replace with new fuel
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	Visit Segway Powersports authorized 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
Clogged air filter	Inspect and clean or replace
Override - reverse speed limiter malfunction	Visit Segway Powersports authorized dealer
Electronic throttle control malfunction	Visit Segway Powersports authorized dealer
Other mechanical failure	Visit Segway Powersports authorized dealer

DIAGNOSTIC TROUBLE CODES

System	Failure Code	Failure Description
ECU	P0108 17	Manifold Absolute Pressure/Barometric Pressure Circuit High
	P0107 16	Manifold Absolute Pressure/Barometric Pressure Circuit Low
	P2A0D 17	Mass or Volume Air Flow "B" Circuit Low
	P2A0C 16	Mass or Volume Air Flow "B" Circuit High
	P0113 17	Intake Air Temperature Sensor 1 Circuit High
	P0112 16	Intake Air Temperature Sensor 1 Circuit Low
	P0118 17	Engine Coolant Temperature Sensor 1 Circuit High
	P0117 16	Engine Coolant Temperature Sensor 1 Circuit Low
	P0650 11	MIL Control Circuit Low
	P0650 13	MIL Control Circuit Open
	P0692 12	Fan 1 Control Circuit High
	P0691 11	Fan 1 Control Circuit Low
	P0480 13	Fan 1 Control Circuit
	P0629 12	Fuel Pump "A" Control Circuit High
	P0628 11	Fuel Pump "A" Control Circuit Low
	P0627 13	Fuel Pump "A" Control Circuit /Open
	P0459 12	Evaporative Emission System Purge Control Valve Circuit High
	P0458 11	Evaporative Emission System Purge Control Valve Circuit Low
	P0444 13	Evaporative Emission System Purge Control Valve Circuit Open
	P0412 12	Secondary Air Injection System Switching Valve "A" Circuit
	P0414 11	Secondary Air Injection System Switching Valve "A" Circuit Shorted
	P0413 13	Secondary Air Injection System Switching Valve "A" Circuit Open
	P0262 12	Cylinder 1 Injector Circuit High
	P0261 11	Cylinder 1 Injector Circuit Low
	P0201 13	Injector Circuit/Open – Cylinder 1

System	Failure Code	Failure Description
ECU	P0265 12	Cylinder 2 Injector Circuit High
	P0264 11	Cylinder 2 Injector Circuit Low
	P0202 13	Injector Circuit/Open – Cylinder 2
	P0563 17	System Voltage High
	P0562 16	System Voltage Low
	P0560 1C	System Voltage Not plausible
	P0501 29	Vehicle Speed Sensor "A" Range/Performance
	P0641 00	Sensor Reference Voltage "A" Circuit/Open
	P0651 00	Sensor Reference Voltage "B" Circuit/Open
	P0571 29	Brake Switch "A" Circuit
	P0571 1C	Brake Switch "A" Circuit
	P0123 17	Throttle/Pedal Position Sensor/Switch "A" Circuit High
	P0122 16	Throttle/Pedal Position Sensor/Switch "A" Circuit Low
	P0121 29	Throttle/Pedal Position Sensor/Switch "A" Circuit Range/Performance
	P0223 17	Throttle/Pedal Position Sensor/Switch "B" Circuit High
	P0222 16	Throttle/Pedal Position Sensor/Switch "B" Circuit Low
	P0221 29	Throttle/Pedal Position Sensor/Switch "B" Circuit Range/Performance
	P2106 12	Throttle Actuator Control System Forced Limited Power
	P2106 19	Throttle Actuator Control System Forced Limited Power
	P2106 92	Throttle Actuator Control System Forced Limited Power
	P2106 13	Throttle Actuator Control System Forced Limited Power
	P1568 00	Idle Speed Contr.Throttle Pos. mechanical Malfunction
	P1545 00	Throttle Pos.Contr. Malfunction
	P1545 22	Throttle Pos.Contr. Malfunction
	P1545 21	Throttle Pos.Contr. Malfunction
	P1565 00	Idle Speed Control Throttle Position lower limit not attained
	P2123 17	Throttle/Pedal Position Sensor/Switch "D" Circuit High
	P2122 16	Throttle/Pedal Position Sensor/Switch "D" Circuit Low
	P2138 29	Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation
	P2128 17	Throttle/Pedal Position Sensor/Switch "E" Circuit High
	P2127 16	Throttle/Pedal Position Sensor/Switch "E" Circuit Low

System	Failure Code	Failure Description
ECU	P0606 94	ECM/PCM Processor
	P0606 92	ECM/PCM Processor
	P2106 29	Throttle Actuator Control System Forced Limited Power
	P0606 64	ECM/PCM Processor
	P0606 61	ECM/PCM Processor
	P0606 67	ECM/PCM Processor
	P0606 1C	ECM/PCM Processor
	P0606 55	ECM/PCM Processor
	P0606 00	ECM/PCM Processor
	P0606 62	ECM/PCM Processor
	P0606 96	function monitoring: fault of ECU ADC - Null Load Test Pulse
	P0606 97	function monitoring: fault of ECU ADC - test voltage
	P0606 47	function monitoring: fault of ECU monitoring modul error
	P0606 17	Reported OverVoltage of VDD5
	P0606 16	Reported UnderVoltage of VDD5
	P0606 49	Diagnostic fault check to report "WDA active"
	P0606 48	Diagnostic fault check to report "WDA active" due to errors in query-/response communication
	P0606 91	Diagnostic fault check to report "WDA active" due to overvoltage detection
	P0032 12	O2 Sensor Heater Control Circuit High Bank 1 Sensor 1
	P0031 11	O2 Sensor Heater Control Circuit Low Bank 1 Sensor 1
	P0030 13	O2 Sensor Heater Control Circuit Bank 1 Sensor 1
	P0132 17	O2 Sensor Circuit High Voltage Bank 1 Sensor 1
	P0131 16	O2 Sensor Circuit Low Voltage Bank 1 Sensor 1
	P0130 29	O2 Sensor Circuit Bank 1 Sensor 1
	P0134 13	O2 Sensor Circuit No Activity Detected Bank 1 Sensor 1
	P0052 12	O2 Sensor Heater Control Circuit High Bank 2 Sensor 1
	P0051 11	O2 Sensor Heater Control Circuit Low Bank 2 Sensor 1
	P0050 13	O2 Sensor Heater Control Circuit Bank 2 Sensor 2
	P0152 17	O2 Sensor Circuit High Voltage Bank 2 Sensor 1
	P0151 16	O2 Sensor Circuit Low Voltage Bank 2 Sensor 1
	P0150 29	O2 Sensor Circuit Bank 2 Sensor 1
	P0154 13	O2 Sensor Circuit No Activity Detected Bank 2 Sensor 1

System	Failure Code	Failure Description
ECU	U0073 88	Control Module Communication Bus Off
	U0140 87	Lost Communication With Body Control Module
	U0121 87	Lost Communication With Anti-Lock Brake System (ABS) Control Module
	P0322 00	Crankshaft signal loss
	U0155 87	Lost Communication With Instrument Panel Cluster (IPC) Control Module
	U0198 87	Lost communication with TBOX
	U0293 00	Lost Communication With Hybrid/EV Powertrain Control Module
	P0688 16	ECM/PCM Power Relay Sense Circuit/Open
	P0688 29	ECM/PCM Power Relay Sense Circuit/Open
	P0650 12	MIL Control Circuit High
	P2138 00	Throttle/Pedal Position Sensor/Switch "D"/"E" Voltage Correlation
	P1559 00	Idle Speed Contr.Throttle Pos. Adaptation Malfunction
	P1579 00	Idle Speed Contr.Throttle Pos. adaptation not started
	P1564 00	Idle Speed Contr.Throttle Pos. Low Voltage During Adaptation
	P1559 29	Idle Speed Contr.Throttle Pos. Adaptation Malfunction
	P0300 00	Misfire detected
	P0301 00	Misfire detected on cylinder 1
	P130A 00	Cylinder selective fuel cutoff active due to catalyst damaging misfire
	P0302 00	Misfire detected on cylinder 2
EPS	E0001	No midpoint of torque is written
	E0002	No end point of rotor angle is written
	E0003	Memory read write failure
	E0004	The main torque sensor is disconnected
	E0005	Abnormal output of main torque sensor
	E0006	The secondary torque sensor is disconnected
	E0007	Abnormal output of secondary torque sensor
	E0008	The difference between main and secondary torques is too large

System	Failure Code	Failure Description
EPS	E0009	The difference between the main torque before and after amplification is too large
	E0010	Electrical machinery unassisted
	E0011	Over electric current
	E0012	Abnormal busbar electric current
	E0013	CAN communication abnormal (Output abnormally)
	E0014	Rotor Angle jump
	E0015	The rotor Angle sensor is disconnected
	E0016	Power module failure
	E0017	Abnormal A phase electric current
	E0018	Abnormal C phase electric current
	E0019	Steering wheel Angle small gear abnormal
	E0020	Steering wheel Angle middle gear abnormal
	E0021	Steering wheel Angle jumps
	E0022	Steering wheel Angle value exceeds limit
	E0023	The steering wheel Angle is not right
	E0024	Abnormal voltage at electrical machinery end
T-BOX	T0001	GPS module failure
	T0002	4G module failure
	T0003	Bluetooth module failure
	T0004	Sensor failure
	T0005	Power CAN failure
	T0006	Body CAN failure



EMISSION CONTROL SYSTEM

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SOURCE OF EXHAUST EMISSIONS

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

EXHAUST EMISSION CONTROL SYSTEM

The exhaust emission control system includes a PGM-F 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.

SGW1000F-U2 (FUGLEMAN UT10)**Declaration of Driver's exposure to noise level**

The undersigned: Zhu kun, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

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

Hereby declares that:

For the following vehicle:

- 1.1. Make (trade name of the manufacturer): SEGWAY
- 1.2. Type: SGW1000F-U2
 - 1.2.1. Variant(s): SGW1000F-U2
 - 1.2.2. Version(s): A1,A2,B1,B2
- 1.2.3. Commercial name(s) (if available):
Fugleman UT10, Fugleman UT10 E, Fugleman UT10 X ,
Fugleman 1000, Fugleman 1000 E, Fugleman 1000 X
- 1.3. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-U2/A1,A2: T1a
Variant/Version: SGW1000F-U2/B1,B2: T1b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-U2/A1: 85.7 dB(A)

SGW1000F-U2/A2: 85.7 dB(A),

Variant/Version: SGW1000F-U2/B1: 85.8 dB(A)

SGW1000F-U2/B2: 85.8 dB(A)

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

Place: Changzhou, China Date: 09 July 2023

Signature: *zhukun* Name and position in the company: Zhu kun,
General Manager

SGW1000F-U2 (FUGLEMAN UT10)

Vibration declaration

The undersigned: Zhu kun, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

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

Hereby declares that:

For the following vehicle:

- 1.4. Make (trade name of the manufacturer): SEGWAY
 1.5. Type: SGW1000F-U2
 1.2.1. Variant(s): SGW1000F-U2
 1.2.2. Version(s): A1,A2,B1,B2
 1.2.3. Commercial name(s) (if available):
 Fugleman UT10, Fugleman UT10 E, Fugleman UT10 X ,
 Fugleman 1000, Fugleman 1000 E, Fugleman 1000 X
 1.6. Category, subcategory and speed index of the vehicle:
 Variant/Version: SGW1000F-U2/A1,A2: T1a
 Variant/Version: SGW1000F-U2/B1,B2: T1b

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

Driver mass		a_{ws} m/s ²	a_{wb} m/s ²	a_{ws}/a_{wb}	Requirement
59±1kg	Test run 1	0.68	1.80	0.38	Deviation<10% between test run 1/2 and Arithmetic mean, $a_{ws}<1.25$ m/s ²
	Test run 2	0.69	1.84		
	Arithmetic mean	0.69	1.82		
98±5kg	Test run 1	0.63	1.72	0.38	
	Test run 2	0.66	1.75		
	Arithmetic mean	0.65	1.73		

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

Place: Changzhou, China Date: 09 July 2023

Signature: *zhukun* Name and position in the company: Zhu kun,
General Manager

SGW1000F-U5 (FUGLEMAN UT10 CREW)

Declaration of Driver's exposure to noise level

The undersigned: Zhu kun, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

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

Hereby declares that:

For the following vehicle:

- 1.1. Make (trade name of the manufacturer): SEGWAY
- 1.2. Type: SGW1000F-U5
 - 1.2.1. Variant(s): SGW1000F-U5
 - 1.2.2. Version(s): A, B
 - 1.2.3. Commercial name(s) (if available):
Segway UT10 crew, Segway UT10 crew P, Segway UT10 crew S
- 1.3. Category, subcategory and speed index of the vehicle:
Variant/Version: SGW1000F-U5/A : T1a
Variant/Version: SGW1000F-U5/B : T1b

The Driver's exposure to noise level result is

Variant/Version: SGW1000F-U5/A : 85.9 dB(A),

Variant/Version: SGW1000F-U5/B : 85.8 dB(A),

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

Place: Changzhou, China Date: 09 July 2023

Signature: *zhukun* Name and position in the company: Zhu kun,
General Manager

SGW1000F-U5 (FUGLEMAN UT10 CREW)

Vibration declaration

The undersigned: Zhu kun, General Manager

Company name and address of the manufacturer:

Segway Technology Co., Ltd.

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

Hereby declares that:

For the following vehicle:

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

1.5. Type: SGW1000F-U5

1.2.1. Variant(s): SGW1000F-U5

1.2.2. Version(s): A, B

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


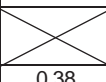
Segway UT10 crew, Segway UT10 crew P, Segway UT10 crew S

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

Variant/Version: SGW1000F-U5/A : T1a

Variant/Version: SGW1000F-U5/B : T1b

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

Driver mass		a_{wS} m/s ²	a_{wB} m/s ²	a_{wS}/a_{wB}	Requirement
59±1kg	Test run 1	0.68	1.80		Deviation<10% between test run 1/2 and Arithmetic mean, $a_{wS}<1.25$ m/s ²
	Test run 2	0.69	1.84		
	Arithmetic mean	0.69	1.82		
98±5kg	Test run 1	0.63	1.72		
	Test run 2	0.66	1.75		
	Arithmetic mean	0.65	1.73		

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

Place: Changzhou, China Date: 09 July 2023

Signature: *zhukun* Name and position in the company: Zhu kun,
General Manager



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