

LOADRIDER MANUAL



SAFETY

For your safety, please ensure the following:

- Check brakes, and that the brake sensors shut off power to the motor
- Check the air pressure of both front and rear tires. The correct P.S.I. is listed on each tire
- Check both left and right turn signals and taillights work properly before riding
- Check and make sure that your mirrors are tightened and allow for maximum visibility
- Observe all traffic rules, and do not operate in areas where motorized vehicles are not allowed.
- Make sure that your battery power is sufficient before you go out to ride
- If you bring your charger avoid shaking / rattling charger while riding.
- Once the battery is fully charged remove the charger.
- Do not try to operate the unit while charging.
- Do not let anyone under the age of 16 years old operate this vehicle.
- Do not make sharp / abrupt turns at high speeds to avoid tipping.
- Do not operate under the influence of drugs or alcohol
- Do not completely submerge the unit in water
- Do not operate in harsh weather conditions.

**FOR ANY QUESTIONS OR CONCERNS PLEASE CALL
1-800-649-9320 OR VISIT WWW.AVVENIRE.CA**

ABOUT AVVENIRE

With years of engineering excellence and a bold vision for the future, we are constantly pushing boundaries in the Electric Mobility industry, earning a reputation for reliability, creativity, and customer-first innovation.

WHO WE ARE

- **Pioneers:** From E-Bikes to next-gen EVs, we are leading the charge in sustainable transport.
- **Tech-Forward:** Our products integrate smart features, solar energy, and luxurious design.
- **Community Focused:** Committed to making green mobility accessible to all.

INTRODUCTION

MOBILITY SCOOTERS

Mobility Scooters represent a natural progression in the development of urban transportation. Using only small amounts of electricity, Mobility Scooters have the potential to radically reduce the amount of pollution in our cities. They are also very quiet, so they do not add to the high levels of noise pollution which we often take for granted. They are easy, and usually free to park. They are unobtrusive and highly practical additions to the urban landscape.

Mobility Scooters are also inexpensive. They (currently) require no registration, no insurance, no license and do not incur parking charges. Compared to internal combustion engines, the engines in electric vehicles have fewer moving parts and require far less maintenance. Your Avvenire Mobility Scooter is the result of Avvenire's years of experience, the highly trained technical skills of our staff, and careful ongoing design work by our engineers. We hope you enjoy using this product and welcome any feedback that you may have.

LIABILITY

Avvenire does not assume any liability for damages, loss of profits, or claims from third parties due to improper use of this product. Avvenire does not assume any liability for damages due to problems with the product resulting from service by a third party that is not certified by Avvenire.

The information in this guide may be subject to change without notice. For the latest information available, please contact your local Avvenire dealer or visit our website. We have taken all possible measures to ensure the accuracy and completeness of the information in this guide. However, if you do find anything missing, incomplete or wrong, do not hesitate to contact us.

TABLE OF CONTENTS

Loadrider Manual	1
Safety	1
About Avvenire	2
Introduction	3
Parts Diagrams	5
Riding Instructions	6
The Battery	12
Charging your mobility Scooter	13
Understanding your voltage	14
Charging the Loadrider	15
Operation	17
Throttle	20
Accessing the basket	21
Using the Rain cover	22
Pumping the Tires	23
Adjusting the mirrors	23
Accessing the battery storage	23
Using the remote	24
Technical Data	25
Maintenance and Troubleshooting	26
Specifications	30
Thank You For Choosing Avvenire	32

PARTS DIAGRAMS

DIAGRAM 1: LOADRIDER

This diagram illustrates the various parts of your mobility scooter. Please note that many of these parts are not user-serviceable and should be repaired only by trained professionals. This is especially true of the electrical systems and the mechanical components.



- 1. Windshield
- 2. Mirrors
- 3. Windshield Wiper
- 4. Front Basket
- 5. Headlights

- 6. Turn Signals
- 7. Tires
- 8. Seat
- 9. Rear Basket

RIDING INSTRUCTIONS

This guide assumes that you already know how to operate a mobility scooter. If you have never used a mobility scooter before, we strongly recommend that you read through this guide entirely before beginning to operate.

Caution

Always make sure to be properly situated on the unit before turning it on and engaging the throttle. Failing to do so can potentially lead to injuries or damage of the vehicle.

IMPORTANT NOTES

- Obey the Law. Be sure to follow all provincial and city traffic laws. This includes obeying stop signs, checking carefully when turning, and riding defensively. A mobility scooter is a motorized vehicle, and thus you must follow the law.
- Stay sober. Never ride your mobility scooter while intoxicated. Mobility scooters can cause harm to the rider and others if not operated properly and require full attention during operation.
- Mobility scooters are to be ridden on the sidewalk unless there is no sidewalk present. Please be mindful of all pedestrians on the sidewalk and give ample notice when passing by.

ITEMS TO CARRY WITH THE ELECTRIC MOBILITY SCOOTER

It is a good idea to carry the following items with you at all times when you ride your Mobility Scooter.

- The charger, to charge the mobility scooter in case the battery power runs out.
- A pad lock, to secure your mobility scooter when you park it

INSPECTING YOUR MOBILITY SCOOTER

Always inspect your mobility scooter before you ride it, to make sure its safety features are operating properly. Many accidents can be avoided with routine inspections. Once you are comfortable with your mobility scooter, you will be able to detect small changes in the way it feels. If anything changes between uses, make sure to have it properly examined. Also, be sure to listen for changes in the sounds your mobility scooter makes over time. Any mechanical or power issues may have effects on the sounds the mobility scooter makes.

HOLDING THE HANDLEBARS

As you would with a bicycle, place your fingers over the brake levers (if your scooter has disc/drum brakes), using the palms of your hand and your thumbs to wrap around and under the handle grips. Doing this allows you to activate the brakes easily, by squeezing your hand, in case you have to stop quickly. Otherwise hold onto the handle bar in a manner where you can easily push the brake mechanism. This is the safe way to control your mobility scooter.

TURNING YOUR MOBILITY SCOOTER ON AND OFF

To turn on your mobility scooter, insert the key into the "ignition", you can find more detailed information in the operation section of this manual.

Warning

When you activate the Mobility Scooter, the electrical system becomes live. Do not try to affect changes to the Mobility Scooter (such as removing the battery or repairing electrical components) while the Mobility Scooter is activated.

ACCELERATING AND DECELERATING

The throttle is typically found on the right handlebar (see operation for more information). Use this carefully when situated on the mobility scooter to go forward and release to decelerate.

Warning

Do not activate the accelerator until you are seated on the mobility scooter and are ready to accelerate. The mobility scooter can easily escape from your control, possibly injuring you or others, and the mobility may be damage.

STOPPING

Your Mobility Scooter has two sets of brakes, at the front and at the rear. The levers attached to the handlebars, on the left and right, activate the brakes. Pull the levers toward you to activate the brakes.

You can use both brakes to come to a stop more quickly, or you can use one of the brakes to come to a gentle stop, depending on your riding needs at the moment. When the brakes are activated, the power to the engine is automatically turned off, until you release the brakes. This allows you to stop safely.

SAFETY TIPS

- When you are traveling in wet weather, water may cause your brakes to function less efficiently because it reduces friction between the brake pads and the wheels.
- Take care to slow down and give yourself more room to stop or slow if necessary.
- It is a good idea to have your brakes and brake pads checked regularly. The brake pads will eventually wear down through friction, and after significant use will have to be replaced.
- Engage the rear brakes first before the front brakes to avoid flipping the unit.

SIGNALING

The Horn

The mobility scooter has a horn. Use this when coming close to pedestrians to warn of your passing. See the operation section for where to find your horn and how to use it.

Turning Signal Lights

Your mobility scooter has turn signal lights. Push it left or right to activate it to indicate that you are turning in the appropriate direction. See the operation section for more info.

Lights

The headlight and tail light are useful features when you are riding at night or in dark areas. They radically improve your safety on the sidewalk or road. The lights on your mobility scooter consume some electricity. Keeping them on may reduce the maximum distance you can travel on one charge by about 5 %.

Riding in Wet Weather

Your mobility scooter is designed to function in wet conditions, such as when it is raining. However, it is easy to slip when moving at high speeds. If it is very wet, be sure to avoid high speeds. When you are traveling in wet weather, water may cause your brakes to function less effectively because it reduces friction between the brake pads and the wheels. Take care to slow down and give yourself more room to stop or slow if necessary.

The Motor and Water

Your mobility scooter is not designed to be immersed in water. Always ensure that the water level does not go above the motor, to prevent water from getting inside of it. Water in the motor can cause short-circuits and may damage the electrical systems in your Mobility Scooter.

RIDING IN COLD WEATHER

Your mobility scooter is designed to operate year-round. However, in very cold conditions or when there is a lot of snow or slush on the ground, it is possible for the motor in the mobility scooter to get wet or for the brakes to function less effectively, just as it can happen in wet weather. Below 10 degrees Celsius, the battery will not work as well as it would in warmer temperatures. While Lithium-Ion batteries perform better than Lead- Acid batteries in temperature extremes, both will experience reduced performance in cold temperatures.

Also, riding the mobility scooter in cold temperatures may require you to replace the battery sooner rather than later.

MAXIMUM LOAD

Do not exceed the maximum load capabilities of your mobility scooter. You can find the exact loading capacity listed in the technical specifications in this guide.

If you exceed the maximum load, the performance of the scooter will suffer.

Exceeding the maximum load of your Mobility Scooter could cause damage to the shocks, to the mechanism and, ultimately, even to the frame. It could also cause your motor to work too aggressively, and may cause it to burn out.

LONG-TERM STORAGE OF YOUR MOBILITY SCOOTER

If you are storing your Mobility Scooter for a long period, disconnect the circuit breaker (if applicable). This is a safer way to store the electric bicycle, as it prevents accidental activation of the mobility scooter and makes it impossible to activate it even with the key.

Please see the section titled "The Battery" for instructions on battery maintenance while your mobility scooter is being stored.

THE BATTERY

This section details what you need to know about the battery that powers your mobility scooter. Always remember to treat your mobility scooters electrical systems with respect.

BATTERY POWER

The dashboard has a battery charge indicator. When the mobility scooter is activated, the gauge will jump and indicate the currently available battery power. If the power has dropped significantly, you should charge your scooter.

DISTANCE AND POWER

Your battery has the capacity to carry you anywhere from 20+ km before it must be recharged. The ability of your battery to power your scooter depends on many variables. These variables include the weight of the rider, the prevailing wind resistance, the rider's driving habits, the presence of steep hills and inclines, and other issues such as proper air pressure in the tires.

SAVING POWER

If you are traveling long distances, you can save a lot of electricity by using better driving habits:

1. **Coasting:** When going downhill or over long, flat road surfaces, try using your Mobility Scooter's momentum and allow it to coast, without drawing power from the motor.
2. **Stopping and Starting:** Try to avoid stop and go movements. The motor draws more power when starting from a full stop.
3. **Weight:** Remove unnecessary weight from the scooter. This reduces the amount of power the motor must draw.
4. **Air Pressure:** Make sure your tires have the proper air pressure. Proper pressure reduces drag on the tires and radically increases the efficiency of any vehicle.
5. **Head and Tail Lights:** Turn off the lights to conserve power, if it is safe to do so. The lights will reduce the distance you can travel by about 5%.

CHARGING YOUR MOBILITY SCOOTER

Charging your scooter is a simple process. You require the following:

- The charger that came with your Mobility Scooter.
- A household electrical outlet.

Charger Warning

Only use the chargers that were supplied with your mobility scooter. Using chargers that do not have specifications identical to those which came with the mobility scooter could irreparably damage your scooter's battery and electrical systems, and may cause injury.

To charge your scooter, follow these steps:

1. Turn off the mobility and remove the key from the ignition (if applicable).
2. Plug the female end of the charger cable into the charging slot on the mobility scooter.
3. Plug the male end of the charger power cable into your wall socket. This should be a household electricity supply. You can also use a portable generator, if necessary..
4. Allow the mobility scooter battery to charge for the appropriate amount of time (6-12 hours).
5. Disconnect the charger when the LED light on the charger is green. The batteries have been fully charged.

If your charger's LED status light does not change from red to green over an extended period of time, for perhaps more than 14 hours, and the battery is very hot, the battery or charger may need replacing. Stop charging and bring both to your Avvenire dealer immediately. Do not overcharge the battery.

UNDERSTANDING YOUR VOLTAGE

Electric scooters primary power is understood as voltage. This number in short is how powerful your unit is, and as it dips down when the unit will no longer be able to perform. Depending on your unit's voltage and battery type (Lithium vs Lead Acid) will effect the range of voltage between what is fully charged and when it exceeds the low voltage threshold.

LOW VOLTAGE THRESHOLD

Your unit will try to protect the battery by preventing the motor from drawing power below the Low Voltage Threshold. By doing this it will significantly increase the life expectancy of your unit. If you find that your motor starts cutting off at a certain speed or not engaging at all it may be because your voltage is dropping past the threshold point and needs to be charged. To see what your voltage threshold you can check on it via the Bluetooth APP (if applicable) and you can check it out using this chart.

VOLTAGE CHART

VOLTAGE	LEAD ACID		LITHIUM ION	
	FULL CHARGE	LOW VOLTAGE	FULL CHARGE	LOW VOLTAGE
24V	27V	21V	29.4V 7S	20V 7S
36V	40V	32V	42V 10S	28V 10S
48V	53V	42V	54.6V / 58.8V 20S 21S	37V / 40V 20S 21S
60V	67V	53V	67.2 / 71.4V 16S 17S	45V / 48V 16S 21S

LITHIUM FULL/LOW VOLTAGE READING

Depending on the way your lithium battery's composition will impact what the low voltage and full charge reading should be. Underneath each reading on the above chart shows a number and a "S" this represents how many series are in your battery pack. To know the exact series of your battery contact your local Avvenire dealer.

CHARGING THE LOADRIDER

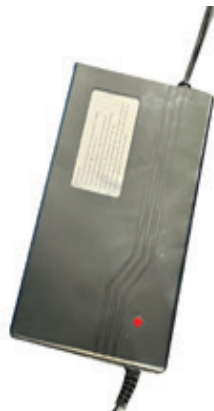
The Loadrider comes with a lead acid battery pack that needs to be charged prior to use. First, look for the charging port underneath the seat near where your legs would be if situated on it.

You will find a black cover that you will have to hold up as seen here:



Take the charger that came with the unit, and plug one end into a regular 110V wall socket and the other end into the charging port.

Once the Mobility Scooter is charging the charger will glow red. When the unit is fully charged the charger will glow green and then your Mobility Scooter is ready to go.



Warning

Do not leave the Loadrider charging for long periods of time after it is fully charged. Once the Mobility Scooter is charged unplug it ASAP. Failure to do so can reduce the battery life and can cause possibly become a fire hazard.

BATTERY CARE

Follow these suggestions to maintain your battery's optimal performance. If you do not follow these suggestions, your battery may lose its ability to maintain a charge and might have to be replaced sooner than would otherwise be necessary.

- Charge it: Charge your battery when needed.
- Full Charge: Do not allow the battery to run down completely and lie in storage without a charge. This significantly reduces the battery's lifespan and may cause damage.
- Keep it Charged: When being stored, charge the battery occasionally to make sure its power supply does not run down. Charging it once every 21 days should be sufficient.
- Storage Conditions: Store the battery on a flat, cool, dry surface. Do not allow the battery temperature to drop below 10 degrees Celsius for extended periods of time.

COLD WEATHER AND YOUR BATTERY

Below 10 degrees Celsius, the battery will not work as well as it would in warmer temperatures. While Lithium-Ion batteries perform better than Lead-Acid batteries in temperature extremes, both will experience reduced performance in cold temperatures. Also, repeatedly riding the Mobility Scooter in cold temperatures may cause your battery to have to be replaced sooner.

REPLACEMENT AND DISPOSAL

After approximately 300 charges, a lead-acid battery will need to be replaced. A lithium-ion battery will last approximately 1000 charges. When the battery has to be replaced, you will notice that your battery cannot carry as much of a charge as it could initially. Contact your local Avvenire dealer to purchase a new battery.

When replacing your battery, dispose of it at a proper municipal battery recycling facility. If none is available, please contact your local Avvenire dealer.

OPERATION

Once you are in your unit and properly seated, you are now ready to begin operating.

***PLEASE NOTE* Always be sitting on the unit before turning the throttle.**

TURNING ON THE SCOOTER

On the right side of the steering column you will find the ignition. Put the key into the ignition and turn it clockwise to turn it on. Turn it counterclockwise to turn it off.

Warning

Once this machine is on, all buttons and controls are active. Make sure to check all your surroundings before engaging the throttle or other features to avoid injury of yourself, others or damage the machine.



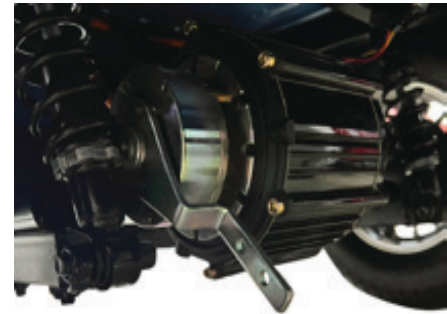
ENGAGING / DISENGAGING THE BRAKE LOCKS

Pictured on the right is the Brake lock. This is situated on the back of the unit on underneath the frame of the scooter, on the left hand side of the motor.

Push this lever down to release the brake lock.

Push this lever up to engage the brake lock

With the brake lock released you can roll this manually as you need.



****Please note the machine will not engage if it is set to unlock , the throttle only works on the lock setting****



DISPLAY

These are what are the symbols mean on your mobility scooters display.

1. **Left Turn Signal** - Shows if your left turn signal is flashing or not.
2. **Headlights** - Shows if the headlights are on.
3. **Right Turn Signals** - Shows if your right turn signal is flashing or not.
4. **Battery Meter** - Shows how much power your machine has left. 5 Bars is full charge each bar represents 20%.
5. **Odometer** - Shows how far you've traveled.
6. **Speedometer** - Shows your current speed.



HANDLE BAR CONTROLS



Above you will see the main handlebars. By pulling the left side of the handlebar towards you will turn the vehicle to the left and vice versa.. The Control buttons are explained below:

1. **Hazard Lights** - Push this button to put on your hazard lights. (Both turn signals will flash simultaneously.)
2. **Throttle Left Hand** -Push this lever away from you to engage the motor and start moving the machine forward. Pull this lever toward from you to move in reverse. *Brake lock must be on to engage throttle**
3. **Headlight** - Press this to Up to turn on the headlights and to Down to turn off the headlights
4. **Horn** - Press this to honk the horn.
5. **Turn Signals** - Push this to the left to engage the left turn signal, and to the right to engage the right turn signal. Push this into the middle to turn off all turn signals.
6. **Windshield Wiper / Freewheel** - Push this button up towards the two lines to engage the windshield wiper. Push this towards the single line so that you can push the machine while it is on. **Note the machine will not engage when this freewheel setting is on**
7. **Throttle (Left Hand)** - Push this lever towards you to engage the motor and start moving the machine forward. Pull this lever away from you to move in reverse. *Brake lock must be on to engage throttle**
8. **Speed Dial** - This dial regulates how fast you can go. Turn this knob so the white line is pointing towards the negative to go slower, and the positive to go faster.

BRAKES

The Boomerbuggy Cargo comes with electronic brakes. Simply release the throttle and the brakes will engage automatically.

THROTTLE

The Boomerbuggy Cargo has a throttle on both sides so you can use your left hand or right hand to drive it. To engage the throttle hold your hands on the handlebars like this with your fingers loosely over the throttle.

On the right hand side, pull this lever towards you to go forward and push this away from you to go backwards.



Warning

Pictured above is the procedure for the right hand side. The **left hand** side can also be used to engaged the throttle but it is **inversed** (push away to go forward, pull towards your to go backward)

ACCESSING THE BASKET

The Loadrider has a close-able basket in the front that allows you to carry things like groceries, luggage and more. To close the basket push the top down. Then take the black latch and pull it over the hook on the cover. Then press the black part down so that it goes through the locking mechanism.

****Note**** With a small padlock (not included) you can put this through the hold on the locking mechanism so that your basket cannot be opened without a key.



USING THE RAIN COVER

The Loadrider comes with a rain cover that can be used attached to the scooter to protect you from the elements.

To put on the cover, carefully slip over the plastic parts over the main parts of the machine. Use the clips and hooks to hook on to the frame so that the cover is tight and keeps the water out.

Press the sticky parts to the frame

Push the sticky part of the glue along the inside metal frame so that it sticks to the bar securely. Once it's on pull the velcro part off to get air.



Roll Up Plastic Windows

It also comes with clasps that you can use to roll up the windows so you can get some air through the mesh. Once rolled up take the clasps and clasp them over the plastic. To unhinge the clasp press and hold the two sides simultaneously seen here and pull the clasp apart.



PUMPING THE TIRES

To ensure that you get the best range out of your tires make sure that your tires are inflated to the proper PSI (pounds per square inch). To do this, remove the cap by twisting it counterclockwise, then using a tire pump, pump the tires until it is inflated inbetween 35 and 40 PSI.



ADJUSTING THE MIRRORS

On either side of your machine are two mirrors that can be adjusted so that you can see what is behind you. To adjust the mirrors simply push and tilt the mirrors until your vision is comfortable to you.



ACCESSING THE BATTERY STORAGE

In the back trunk you will find a set of keys. Turn these keys and lift the seat up to access the battery. We do not recommend tampering with this as there is a lot of electrical wires that can cause harm to yourself or the scooter. **Please leave this for a trained Avvenire service representative.**



USING THE REMOTE

The Boomerbuggy Cargo comes with a built in alarm system and remote control. The remote are on the keys - here is what each button does.

1. **Panic Button** - This automatically sets off the alarm.
2. **Disarm Alarm / Turn off Remote Start** - Press this button to disarm the alarm before riding, or to turn off the machine when remote start is activated.
3. **Arm Alarm** - Press this button to arm the alarm. After about 5 seconds, any movement to the machine will trigger the alarm
4. **Remote Start** - Press this button 3 times to activate the remote start. This will make the machine active without the keys being in the ignition.



Warning

When using the remote start, the machine becomes active and you should still be properly situated on the machine before activating it to avoid potential injuries

TECHNICAL DATA

This section provides you with the technical specifications for your Mobility Scooter.

THE MOTOR AND WHEEL ASSEMBLY

The Loadrider has a magnetic DC brushless motor on the rear wheel hub. This type of motor has excellent low-end torque and high efficiency when working within its range. Note that while the motor is very quiet, it does produce some noise.

THE CONTROLLER

The electronic controllers are located under the seat assembly. These controllers efficiently regulates the speed and electronic functions of the bicycle. It allows for stepless speed adjustment, shuts off the motor when the brakes are activated, has low voltage protection and has fuses to prevent excess current from damaging the Mobility Scooter's systems

VEHICLE IDENTIFICATION NUMBER (VIN)

Your unit comes with a Vehicle Identification Number. You should write this down and keep it somewhere safe in case of theft of your unit. This is also required for registering your warranty on the warranty section of Avvenire.ca. To find the VIN on your Loadrider, look beside the charging port to the left for a placard as seen on the right.



MAINTENANCE AND TROUBLESHOOTING

This section outlines problems you may have and solutions you may be able to use.

Many of the parts in this product are not user-serviceable and should be repaired by trained professionals. This is especially true of the electrical systems and the mechanical components. Alteration of these components voids the warranty.

TIRE PRESSURE

Maintain the air pressure in your tires at the appropriate level. If the air pressure is too low, your mobility scooters performance will suffer and it will become damaged more easily.

Cold weather and lower temperatures will cause the air pressure in your tires to drop, and warmer weather will cause it to increase, even if there are no leaks in the tire tube.

To replace the air in your tires, follow this procedure:

1. Identify the required pressure by examining the text along the side of the tire rim.
This text should indicate the recommended pressure for your tire.
2. Locate the air valve on the inner surface of the tire rim.
3. Remove the valve cap and place in a secure location.
4. Place the nozzle end of an air pump (hand-power or mechanical) over the valve.
5. Pump up the air in the tire, being careful not to let the pressure go above the level prescribed on the side of the tire wall.
6. Remove the pump nozzle from the air valve without allowing much air to escape from the tire.
7. Replace the valve cap on the air valve.

Maintaining the proper air pressure will allow you to travel much further on a single charge, because the motor will not have to work as hard to move the Mobility Scooter.

REPLACING FLAT TIRES

Replacing flat tire tubes is a more complicated and labor-intensive process with Mobility Scooters than it is with regular bicycles. It requires proper tools, more skill and more patience.

Unless you are very familiar with the mechanical components of the scooter, attempting to change a flat tire may cause serious problems. Please contact your Avvenire dealer for specific instructions on how to remove your wheel and tires safely, and how to replace the tubes. It may be easier – and safer – to have the tubes replaced by your Avvenire dealer.

THE MOTOR

Do not service the motor yourself. Bring the mobility scooter to your Avvenire dealer for service. The motor in your mobility scooter is a highly complex and fine-tuned mechanism. Repairing it requires significant expertise. **We suggest maintenance every 100 running hours or so.**

SHOCK ABSORBERS AND COMFORT

If your riding experience feels bumpier than usual, and you suspect that your shock absorbers are experiencing difficulties, check the air pressure in your tires. If the air pressure is too low, this may be the reason you feel less comfortable. It may have nothing to do with your shock absorbers. **If the problem persists, take your Mobility Scooter to your Avvenire dealer for servicing.**

BRINGING IN YOUR MOBILITY SCOOTER FOR SERVICE

Do not attempt to service the electronic or mechanical parts of your mobility scooter unless you are absolutely sure of what you are doing and have a solid understanding of electrical and mechanical equipment. If your mobility scooter is not performing properly, disconnect the circuit breaker (if applicable) and bring the mobility scooter to your local Avvenire dealer. Do not store the mobility scooter without disconnecting the circuit breaker.

Liability

Avvenire will not be held responsible for damage or injuries resulting from errors resulting from improperly serviced parts.

CLEANING

Cleaning is extremely important this will ensure your mobility scooter will serve you for a long time. In the long run, it will save you money and a lot of time waiting for the Mobility Scooter to be repaired. You should clean your mobility scooter weekly.

Do not use aggressive power jets or water sprays when washing the mobility scooter and keep water off the battery as much as you can. Clean gently but thoroughly and make sure that all the outer casing of the electric parts are dry and clean.

Remove any dirt, debris, sand, mud, grit, grime that got caught on the Mobility Scooter and dry it off.

While cleaning, it is a good opportunity to look closely for a worn, loose, cracked, rust, teared or damaged parts. Buckled paint can also be a hint for some parts that need closer inspection.

LUBRICATING

It is also recommended to lubricate, levers, cables, etc. A clean, lubricated mobility scooter tends to be faster, smoother and quieter. It's like having a little extra push for free.

Apply the lubricant to the different parts and let it sit a few minutes and then wipe off the excess lubricant with a rag. After a while, clean the different parts with a degreaser to remove any excess dirt that has been collected.

WEATHER

Don't leave the mobility scooter out in the rain or snow.

Store it somewhere dry and out of direct sunlight. Overheating the batteries, for example, can cause problems.

Do not open up casings, chargers, etc as you are unlikely to be able to reseal them effectively afterward, making them more susceptible to water damage and other extreme weather conditions.

Batteries should be charged once a month regardless of usage if possible.

SCHEDULE

The frequency of maintenance depends on how much you ride and under which conditions. Casual riders need less maintenance than off-road riders. The harder you ride, the more you have to take care of your Mobility Scooter. There are various time intervals for proper maintenance. Quick should be done before & after every ride.

Time after Purchase	Action Suggested
Every time before you ride (The 60 Second Check)	Check tire pressure, check brakes that they work, check lights, check bolts (make sure everything is tight), check battery gauge. Do not ride the unit unless everything is functional and proper
30 Days (every month)	Completely clean the unit, including the dust on the motor and under the seat. Check for any abnormal wear and tear or alignment problems.
90 Days (every 3 months)	Inspect frame and fork for paint crack or bulges that may indicate frame or part damage; pay particular attention to all frame joints. Check wear and tear on tires. Check range of battery.
180 Days	Inspect all components on the unit. Check that connections are nice and tight. Look inside where your controller is and clean in detail. Check that all plugs are clean. Go over every bolt and nut in your unit.
360 Day (every 12 months)	Bring the unit for a complete tune-up. Varying on the unit the shop should complete a battery discharge, tires should be changed depending on wear and tear. All connections should be checked for rust and looseness. All components should be checked including charged, ignition, and gauges.


SPECIFICATIONS


Name	Loadrider
Motor	800W
Voltage	60V
Amp Hour	32Ah
Watt Hours	1920W
Battery Life	300 Cycles
Battery	Lead Acid
Removable Battery	Only During Replacement
Charger	60V / 5.0ah - 110V
Charge Time	6 - 7 Hours
Lights	LED
Max Load	440 lbs.
Assembled Weight	310 lbs
Assembled Length	65"
Assembled Width	27"
Assembled height	63"
Seat height	27"
Seat Width	27"
Seat Length	17"
Boxed Weight	350 lbs
Boxed Length	67"
Boxed Width	33"
Box Height	31"
Range	Up to 70km
Speed	19 km/hr
Climbing Incline	20 degrees
Front Wheel	3.5 - 8
Rear Wheel	3.5 - 8
Gauges	Battery Level / Speedometer / Odometer

Ground Clearance	7"
Wheel Base	40"
Battery Weight	110 lbs
Rear Brakes	Hydraulic Disc
Front Brakes	Drum + Electronic
Ignition	Key Ignition
Front Shocks	Dual Coil
Rear Shocks	Dual Coil
Controller	Standard
Pedal Assist	N/A
Speed Levels	1 Speed Potentionmeter
Throttle	Push / Pull
Cruise Control	N/A
Display	Back Lit LED
Frame Size	N/A
Rear / Basket Storage	Yes
Under Seat Storage	Front Basket
Rear / Basket Storage Volume	29 x 14 x 15
Under Seat / Glove Storage	20 x 13 x 12
MP3	No
Occupancy	1
Alarm	Yes
Steering Lock	No
Center Kickstand	No
Foldable	No
Folded Dimension	No

Contact Us


For any inquiries or to learn more about our innovative solutions, please reach out to us. Our team is here to assist you and provide any information you need.

 1-800-649-9320

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THANK YOU FOR CHOOSING AVVENIRE