

Quick Reference Guide

Model 200 Specifications:

Model No.	200
Length	42"
Width	22"
Seat Height (from deck)	18.5"~21.5"
Front wheel	8" FOAM
Rear wheel	9"X2" FOAM
Weight Capacity	300 lbs
Speed	max 4 mph
Range	max 10 miles
Turning Radius	27"
Battery	12V / 20AH-2pcs
Brakes	Intelligent, regenerative and electromagnetic brakes
Anti-tip	2 rear anti-tip wheels
Bumper	Front
Unit Weight (w/battery)	129 lbs
Seat	Standard seat

Model 500 Specifications:

Model No.	500
Length	42"
Width	22"
Seat Height (from deck)	18.5"~21.5"
Front wheel	8" FOAM
Rear wheel	9"X3.5" FOAM
Weight Capacity	300 lbs
Speed	max 4 mph
Range	max 10 miles
Turning Radius	27"
Battery	12V / 20AH-2pcs
Brakes	Intelligent, regenerative and electromagnetic brakes
Anti-tip	2 rear anti-tip wheels
Bumper	Front
Unit Weight (w/battery)	151 lbs
Seat	Deluxe Captain's style seat with Adjustable height and width armrests

Welcome! Thank you for purchasing our R200/R500 series Rascal scooter. Your scooter has been designed to give you years of trouble free, enjoyment and mobility. Please read this manual carefully. If you have any questions, do not hesitate to call us. This model has been designed with your practical needs in mind. It is equipped with modern high-tech electronics and special features for a more comfortable ride. Its safety and performance will provide you with years of excellent service and pleasure.

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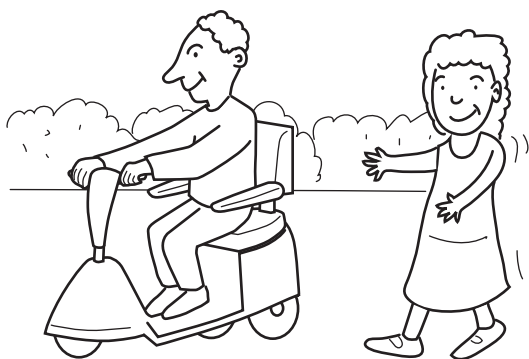
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Failure to follow these instructions may result in damage to the scooter or serious injury.

■ Practice Before Operating

Find an open area such as a park. Have a friend or family member help you practice until you have confidence operating this vehicle.

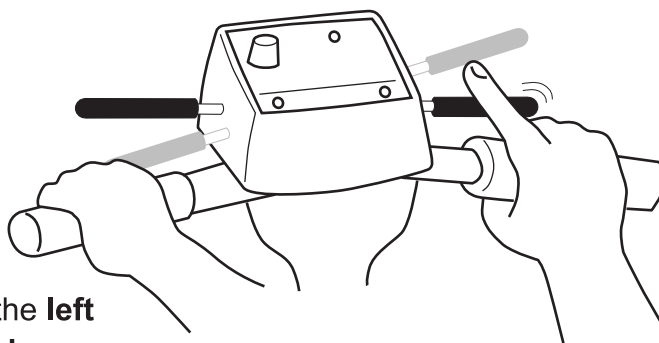


Make sure that the scooter is turned off before getting on or off of it. Set the speed control knob according to your driving ability.

We recommend that you keep the speed at the lowest setting (fully counter-clockwise) until you are familiar with the driving characteristics of this vehicle.

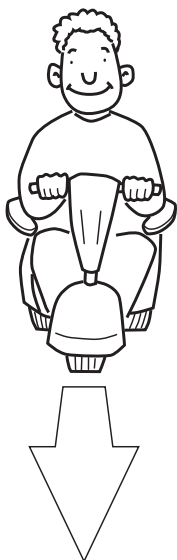
Stop, forward, and reverse operation practice

Pull the lever back on the **right** side to move **forward**

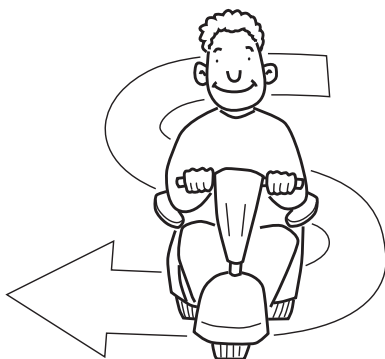


Pull the lever back on the **left** side to move **backwards**

Getting familiar with this vehicle



**First, practice moving forward.
Be sure to set the speed to the lowest setting.**



**After becoming familiar with moving forward,
practice making gentle "S" turns.**



**Once you are familiar with "S" turns, practice
moving in reverse.**

■ Safety Considerations

DO NOT do any of the following:

Do not carry any passengers

No!



Do not drive across a slope

No!



Do not drink and drive

No!

Consult your physician to determine if your medications impair your ability to control this vehicle



Do not tow a trailer

No!



Do not turn on or use hand-held personal communication devices such as citizens band(CB) radios and cellular phones

No!



This vehicle has an immunity level of 20 V/m which should protect it from Electromagnetic Interference (EMI) from Radio Wave Sources. The United States Food and Drug Administration (FDA) suggests that the following statement be incorporated in the user's manual for all electric scooters:

Electric scooters may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones. The interference (from radio wave sources) can cause the electric scooter to release its brakes, move by itself or move in unintended directions. It can also permanently damage the electric scooter's control system. The intensity of the EM energy can be measured in volts per meter (V/m). Each electric scooter can resist EMI up to a certain intensity. This is called the "immunity level." The higher the immunity level, the greater the protection. At this time, current technology is capable of providing at least 20 V/m of immunity level which will provide a reasonable degree of protection against common sources of radiated EMI.

Following the warnings listed below should reduce the chance of unintended brake release or scooter movement that could result in serious injury:

- 1) Do not turn on hand-held personal communication devices such as citizens band (CB) radios and cellular phones while the scooter is turned on.
- 2) Be aware of nearby transmitters such as radio or TV stations and try to avoid coming close to them.

- 3) If unintended movement or brake release occurs, turn the scooter off as soon as it is safe.
- 4) Be aware that adding accessories or components, or modifying the scooter, may make it more susceptible to interference from radio wave sources.
(Note: there is no easy way to evaluate their effect on the overall immunity of the scooter).
- 5) Report all incidents of unintended movement or brake release to Rascal Customer Service, and note whether there is a radio wave source nearby.

**TURN OFF YOUR SCOOTER AS SOON AS POSSIBLE WHEN
EXPERIENCING ANY OF THE FOLLOWING:**

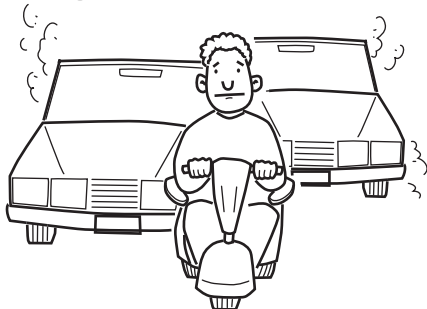
1. Unintentional motions.
2. Unintended uncontrollable direction.
3. Unexpected brake release.

■ Driving Outside

When you are on the road, please pay attention to the following:

Do not drive in traffic.

No!



Do not drive beside a river, port, or lake without a fence or railing.

No!



Do not drive in the rain.

No!



Do not drive during or on snow.

No!



Do not drive off-road or on any uneven surfaced roads.

No!



Do not drive at night

No!



NO!



Make sure that there are no obstacles behind you when in reverse.

We recommend setting the speed knob at the lowest speed (🐢) for reversing.

NO!



Do not make sudden stops, weave erratically, or make sharp turns.

NO!



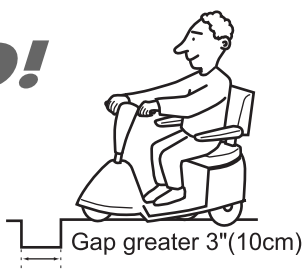
Keep your arms on or inside the armrests and feet on the footrest at all time.

NO!



Do not attempt to climb curbs greater than 2"(5cm).

NO!



Do not attempt to cross over a gap greater than 3"(10cm).

■ Use caution when driving on hills

Driving on hills is more dangerous than on level surfaces. If you fail to heed these warnings, a fall, tip-over or loss of control may occur and cause severe injury to yourself or others.

NO!

Do not attempt to climb a hill greater than 10°

NO!

Do not reverse while on a hill.

Forward only. If you reverse while on a hill, it may cause the vehicle to tip over.

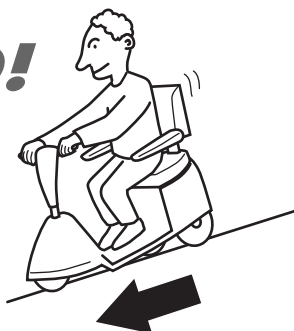
NO!

Do not attempt to drive across a sloping surface greater than 3°

Driving across a slope greater than 3° is very dangerous and may cause the vehicle to tip over.

NO!

Use caution when driving over soft, uneven or unprotected surfaces such as grass, gravel and decks.

NO!

Use low speed while driving down hill.

When going down hill, the tiller will become harder to reach and handle. When braking while moving down hill, the scooter will take longer to come to a complete stop.

NO!

Do not get on or off when on a hill.

Always stop on the level surface to get on or off of the vehicle.

NO!

Do not load or carry heavy items in the basket while driving down hill.

■ Parts of the scooter

Take a moment to become familiar with the components and features of your new Rascal Scooter. Your scooter consists of a frame assembly, drivetrain assembly, seat assembly, tiller assembly, battery charger, and owner's manual. Contact Rascal Customer Service if any question arise.

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- | | |
|-----------------------|---------------------------------|
| 1. Tiller | 8. Free Wheel Lever |
| 2. Key Switch | 9. Anti-Tip Wheels |
| 3. Control Panel | 10. Front Bumper |
| 4. Speed Control | 11. Tiller Angle Adjuster |
| 5. Seat Pivot Lever | 12. Front Basket |
| 6. Removable Seat | 13. Charger Indicator View Port |
| 7. Adjustable Armrest | 14. Charger Socket |

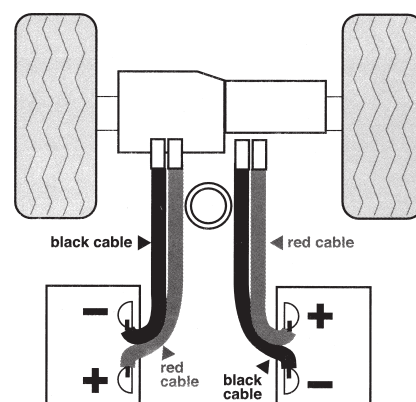
FEATURE GUIDE 500



- | | |
|--------------------------|---------------------------------|
| 1. Deluxe Tiller | 9. Anti-Tip Wheels |
| 2. Key Switch | 10. Rug |
| 3. Control Panel | 11. Front Bumper |
| 4. Speed Control | 12. Tiller Angle Adjuster |
| 5. Seat Pivot Lever | 13. Front Basket |
| 6. Removable Deluxe Seat | 14. Charger Indicator View Port |
| 7. Adjustable Armrest | 15. Charger Socket |
| 8. Free Wheel Lever | 16. Head Light |

■ Batteries

Your scooter is equipped with maintenance free, sealed lead acid batteries. These batteries require no maintenance other than ensuring that they are properly charged. If other batteries are used, check with your battery supplier for proper battery care and maintenance instructions.



Your scooter comes supplied with two battery cables. Attach the red wire of the first cable to the (+) terminal of the first battery. Attach the black wire of the first cable to the (-) terminal of the first battery. Repeat this procedure for the second battery.

■ Charging the Batteries

Note: because your batteries may only have a partial charge when you first receive your scooter, you may not experience full riding time until you have fully charged them. Your scooter is equipped with a battery charger. Charging your batteries as specified below will ensure maximum life, power and range.

⚡ WARNING! ⚡
Use of a non-grounded receptacle could result in an electric shock

1. Turn off the power on the scooter.
2. Plug the charger cable into an outlet.
3. Plug the charger into the power socket on the front part of the rear cover - see page 11 or 12 for location. (You will need to flip up the safety covering on the power socket)
4. Charge the scooter. As it charges, you will see status lights through the charger viewport. A RED light means the charger is ready to use, a WHITE light means charging is in progress, and a GREEN light means the charger is finished, and the scooter is fully charged.

■ Disassembling the Scooter



Move the tiller to the forward position, pull up on seat release and remove seat.



Remove cover.



Disconnect both batteries



Disconnect the white connector



Remove both batteries.



Remove the connecting pin.



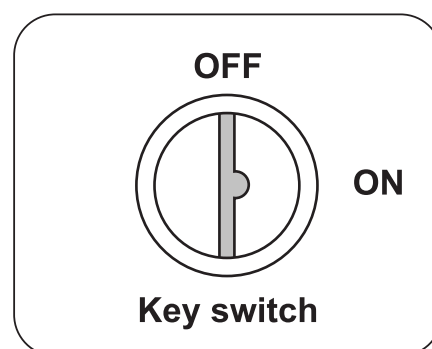
Pull the motor section away from the footrest section.

■ Controls

Only drive within your capabilities . Loss of control of your scooter could result in serious injury to yourself or others. If your speed becomes difficult to control, release the speed engager lever, and your scooter will come to a complete stop. Only use the on/off switch to stop your scooter in an emergency.

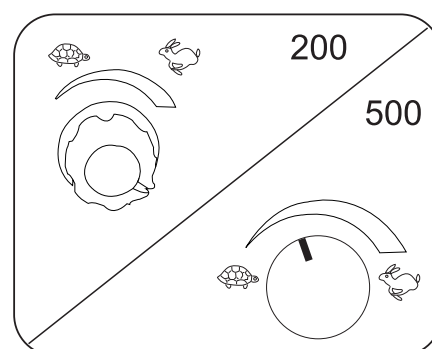
Key Switch:

The key switch operates two functions: ON and OFF. OFF position (turn the key straight up) ON position (turn the key to the forward position to operate the scooter)



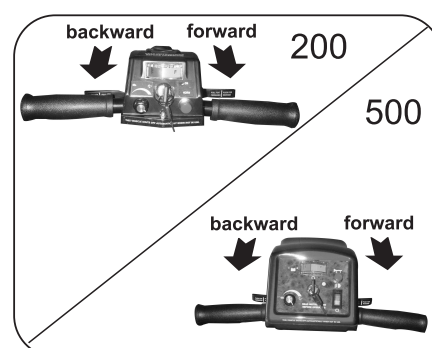
Speed Control:

Speed Dial regulates the speed of the scooter. Start at the slowest speed until you feel confident controlling your scooter safely. Turn the speed dial counter-clockwise to decrease the speed. Turn the speed dial clockwise to increase the speed.



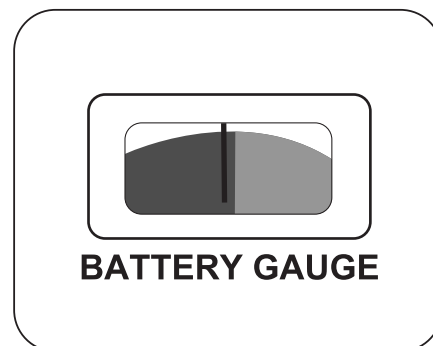
Forward / Reverse:

To move forward, pull the lever back on the right side. To move in reverse, pull the lever back on the left side.

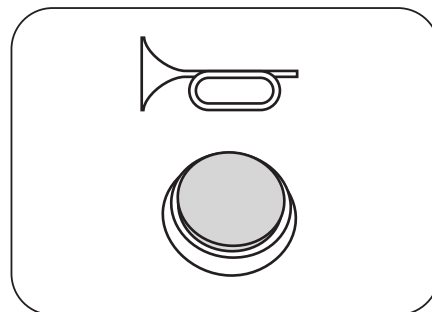


Battery Gauge:

Indicates the charge level of the batteries. If the needle goes into the red area, the batteries need to be charged as soon as possible. If the needle is all the way to the right side of the green area, the batteries are fully charged. As the needle moves to the red area, it indicates the depletion level.

**Horn:**

The horn is activated by pressing the horn button. Releasing the horn button deactivates the horn. The horn is useful to warn people or animals that you are coming towards them. You may also find it helpful to use when rounding blind corners or backing up.



Brakes and Throttle control lever: Whenever the speed engager lever is moved out of the neutral position, the electromagnetic brake will automatically release and your scooter will move. When the speed engager lever is released, it will return to the neutral position and the scooter will decelerate and come to complete stop. The parking brake will then engage preventing further movement of your scooter. Your scooter is equipped with a programmable controller that has a high peddle disable safety feature. This will prevent unexpected acceleration of the scooter, if the speed engager lever is activated the same time you turn the key ON. To reset the controller, release the speed engage lever and turn the key OFF for a couple of seconds and then turn it back ON.



If your scooter ever moves in an unexpected manner, release the speed engager lever and turn off the power.

■ Seat adjustment

Seat Height:

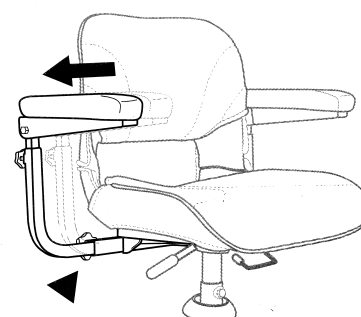
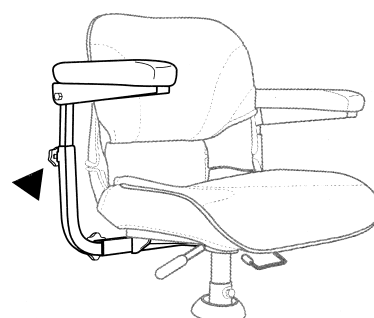
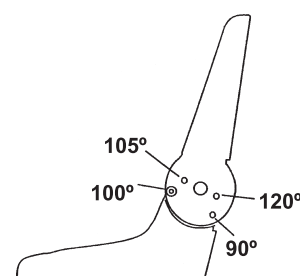
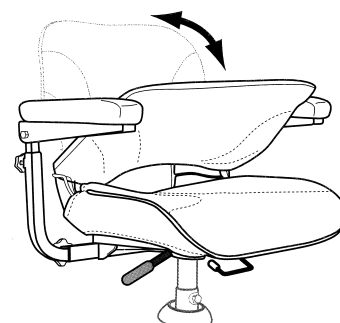
- Turn the power key off while making any adjustments.
- Pull the swivel lever up and lift the seat straight up and off the seat post.
- Remove rear plastic cover by holding the rear cover.
- Unfasten the velcro material by slightly pulling the cover out away from the frame and lift cover straight up and off the scooter.
- Remove the nut and bolt from the seat post assembly.

Adjusting backrest angle (Model 500 only):

- The seat is designed with available backrest settings (90°, 100°, 105° and 120°) to allow you to adjust the angle of the back of your seat. The 90° setting provides the most upright position and the 120° setting is the most reclined. Adjustment locations are shown in Figure.

To adjust the backrest angle:

1. Remove the nut and bolt on the hinge using an adjustable wrench and a 4mm allen key.
2. Choose the position that is most comfortable for the user or as recommended by a seating professional.
3. Reinstall the hardware into the desired seat back angle setting.
4. Be sure to set both sides in the same position.



Seat swivel positions:

The seat swivel lever (located on the side of the seat) allows the seat rotation in 45 degree increments.

You may use this feature to make it easier to transfer in and out of the seat.

- Pull the swivel lever up to unlock and rotate the seat.
- Pivot the seat to the position you desire.
- Release the lever and try to turn the seat back and forth slightly allowing the lever to lock into position.

Armrest height:

- Loosen the clamping nut at the rear of the handle.
- Move the armrest to your desired position.

Armrest angle:

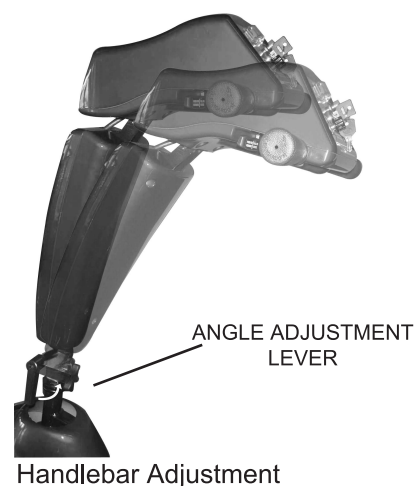
- Flip the armrest up to expose the adjustable bolt and loosen the lock nut.
- Turn the bolt to lower the angle of the armrest to your desired angle.

Armrest width:

- Locate the width clamping nut (follow the armrest support down to the base of the seat).
- Loosen the clamping nut by turning counterclockwise.
- Pull the armrest in or out to reach your desired position.
- Tighten the width clamping nut.

■ Adjusting the Handlebar and Dash Position:(500 only)

The handlebar and dash can be separately adjusted, allowing them to be positioned according to your individual riding style. The handlebar angle adjustment allows you to position the dash closer or further away from you for better access of the controls. The angle of the dash can be adjusted up or down for maximum comfort and easier use of dash controls. The dash should be positioned so that your elbows can rest on the armrests while you operate your Rascal and you can see the dash controls.



To adjust the handlebar base:

1. Locate the adjustment lever on the left side of the handlebar boot as shown in figure.
2. Hold the weight of the handlebar with one hand and loosen the lever with the other hand.
3. Adjust the angle of the dash to the position you feel is most comfortable.
4. Tighten the lever.

■ Free Wheel Mode

Make sure the free wheel lever is in the drive (up) position to prevent the scooter from rolling. Never sit in your scooter if it is in "Free Wheel" mode.

Manual free wheel mode:

Your scooter features a "FREE WHEEL" mode for manual operation. To activate manually, turn the key switch OFF and locate the free wheel lever at the back, right side of the scooter, near the wheel. Pull lever to the "UP" position to disengage the brake, and allow the scooter to be pushed freely. Push the lever to the "DOWN" position to reengage the brake. Remember, when the scooter is in manual free wheel mode, you will have no brakes. You will be unable to operate the scooter. When you wish to push your scooter a short distance, you may put it into Manual Free Wheel mode.

Getting on and off:

Your scooter is designed to make getting on and off as easy as possible. Make sure the scooter is on a level surface and the key switch is turned OFF. If necessary, raise the armrest to give you maximum space to transfer on or off of the seat. Once transfer is complete, lower the armrest before operating the scooter.



Never operate your scooter without your feet being placed on the scooter platform. Driving your scooter without your feet on the platform could cause serious bodily injury.

■ Rascal One Year Limited Warranty

For one year from date of purchase, Electric Mobility Corporation (Rascal) will repair or replace at our option, to the original purchaser, free of charge, any part found, upon examination by an authorized representative of Electric Mobility Corporation (Rascal), to be defective in material and/or workmanship. Warranty does not include shipping costs of replacement parts.

Warranty service can be performed by an authorized service representative or by Rascal Customer Service. Do not return faulty parts to Rascal Customer Service without prior consent. All transportation costs and shipping damage incurred while submitting parts for repair or replacement are the responsibility of the original purchaser.

Warranty Exclusions:

1. Plastic shrouds, tires (including flat tires), seats, and baskets are wear items and not warranted.
2. Electric Mobility Corporation (Rascal) will replace defective batteries at no cost during the first sixty days. After sixty days, battery replacement costs are pro-rated for an additional ten months at 10% each month and are the responsibility of the original purchaser. Example: For a battery that costs \$89.95 that requires replacement in the first month after sixty days - your cost would be 10% of \$89.95 or \$8.99.
3. Damage caused by:
 - a. Battery fluid spillage or leakage.
 - b. Abuse, misuse, accident or negligence.
 - c. Improper operation, maintenance or storage.
 - d. Commercial use or use other than normal wear and tear.
 - e. Repairs and/or modifications made to any part without specific consent from Electric Mobility Corporation (Rascal).
 - f. Circumstances beyond the control of Electric Mobility Corporation (Rascal), including force majeure such as natural disasters or acts of war.

4. Labor, service calls, shipping and other charges incurred for repair of the product unless specifically authorized by Electric Mobility Corporation (Rascal) except during the first thirty days of ownership.

There is no other express warranty.

Disclaimer

This warranty is made in lieu of all other warranties, implied or express, including any warranty of merchantability or fitness for a particular purpose. Electric Mobility Corporation (Rascal) further disclaims liability for incidental or consequential damages to include but not limited to, personal injury or property damage arising from any defect in this product.

■ Rascal Limited Warranty

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one year from the date of purchase and to the extent permitted by law. Any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific rights and you may also have other rights which vary from state to state. Please fill out and return the warranty card to Electric Mobility Corporation (Rascal). This will aid us in providing the best possible Technical and Customer Service.

For warranty service, please contact the Rascal Customer Service Department or your authorized Rascal Service Center.

USAFor service and parts, our toll-free number is: 1-800-257-7955

CanadaFor service and parts, our toll-free number is: 1-800-655-0065

United KingdomFor service and parts, our toll-free number is: 01460-258100

Other CountriesPlease call 1-856-468-1000 for the name and address of local distributors.

Rascal Service Procedures

If you experience any problems with your product and require advice or service, please follow the procedures listed below.

Within The Limited Warranty Period:

Contact the Rascal Customer Service Center. We will gladly help you determine the cause of the problem and arrange for an inspection and/or repair of your unit if necessary.

During the first 30 days of ownership, we will cover the cost of travel expenses for Warranty Service only. After the first 30 days, these costs are your responsibility. We will gladly recommend a Service Representative in your

area or help you to determine the cause of your problem. We will ship the necessary parts to you, the authorized service representative you have chosen, or have you return the parts or product to a factory operated service center for the necessary repairs.

After The Limited Warranty Period:

Contact the Rascal Customer Service Center. We will gladly help you determine the cause of the problem and recommend a solution or direct you to a service representative in your area. If a part or the product needs to be returned to the factory for repair, follow the procedures under RASCAL REPAIR PROCEDURES.

Rascal Repair Procedures

If you need to return a part or the product, call Rascal Customer Service Center to obtain a Return Authorization Number that must be placed on the return package. This number is used to identify the customer, the part and the type of repair. Any part or product received without this number will be returned to the sender at the sender's expense. In the event that you must return the product, a Customer Service Representative can help you make the necessary arrangements. All returns must be mailed to the attention of the Service Center.

To help us serve you as quickly as possible, have your serial number and your order number ready when you call. When ordering parts, please have your method of payment ready (i.e. credit card numbers and expiration date, check, etc).

All parts are shipped UPS Ground. You must request alternative shipping arrangements for an additional charge based on weight and destination (i.e. UPS Next Day, UPS 2nd Day, etc).

Rascal Locations

United States	Canada
Electric Mobility Corp.	Electric Mobility Canada
1 Mobility Plaza	1535 Meyerside Drive, Unit #13-14
Sewell, NJ 08080	Mississauga, Ontario L5T 1M9
1-800-257-7955 (customer service)	1-877-877-0215 (customer service)

■ Warranty Registration

MODEL NO. _____ SERIAL NO. _____

DATE PURCHASED _____

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

RETURN ADDRESS

We wish you a safe and comfortable riding experience!

Again, thank you for purchasing a Rascal. By following the recommendations in your Owner's Manual, you can expect years of enjoyable mobility and freedom.



**ELECTRIC
MOBILITY** >>>>>>

World Leader in Personal Independent Mobility
591 Mantua Blvd., Sewell, NJ 08080