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LEADING
HEALTHCARE
EQUIPMENT
PARTNER

ROGUE² ROGUE^{XP}

USER INSTRUCTION MANUAL AND WARRANTY



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EQUIPMENT
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I. EN - INTRODUCTION

Thank you for purchasing a Ki Mobility product!



WARNING: Do not use this without first reading this entire manual. Use without first reading this entire manual could result in serious injury to the user and/or attendant.

Ki Mobility recommends training by an Assistive Technology Professional (ATP) or other competent clinical or technical professional in the safe use of this chair prior to use.

If you have any questions or concerns about any aspect of this wheelchair, this manual or the service provided, do not hesitate to contact your authorized supplier, an authorized representative or Ki Mobility. Ki Mobility can be reached at:

(1) 715-254-0991



Ki Mobility
5201 Woodward Drive
Stevens Point, WI 54481
U.S.A.



www.kimobility.com (Includes Dealer locator and access to printed information)

Or via our Authorized EU Representative:



Etac Supply Center AB
Långgatan 12
334 33 Anderstorp
Sweden

Or via our UK Responsible Person:



Etac Ltd
Unit 60, Hartlebury Trading
Estate, Hartlebury
Kidderminster, DY10 4JD

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III. NOTICE - READ BEFORE USE

A. Intended Use

The Ki Mobility manual wheelchair is intended to provide mobility to persons limited to a sitting position.

B. Indications for Use

The Ki Mobility manual wheelchair is a manually operated device with wheels that is intended to provide mobility to adults restricted to a sitting position.

C. Your Safety

NOTE: Contact Ki Mobility for information on safety recalls and notices.

Any serious adverse events or injuries related to the use of your wheelchair or its accessories must be reported immediately if the incident directly or indirectly leads to serious health decline or death of the user or other person. Report any serious events and/or injuries to Ki Mobility and, if required by local regulation, the competent health authority where the user and/or other person legally reside.

C. Your Safety (continued)

Do not use this wheelchair without first reading this entire manual. BEFORE riding, you should be trained in the safe use of this chair by an Assistive Technology Professional (ATP) or other competent clinical or technical professional. Ki Mobility manufactures many different wheelchairs that might meet your needs. The recognized best practice for selecting a wheelchair is to consult with an ATP or other competent technical professional and an experienced clinical professional such as a physical therapist, occupational therapist or physician. Final selection of the type of wheelchair, options and adjustments rests solely with you and your technical and clinical professionals. The options you choose, and the set-up and adjustment of the wheelchair have a direct impact on its performance, stability and its ability to meet your needs. Factors to consider that affect your safety and stability are:

- a. Your personal abilities and capabilities including strength, balance and coordination.
- b. The types of hazards and obstacles you might encounter during your day.
- c. The specific dimensions, options and set up. In particular, the seat height, seat depth, seat angle, back angle, size and position of the rear wheels and size and position of the front casters.

D. Signal Words

Within this manual you will find what are referred to as “Signal” words. These words are used to identify and convey the severity of varying hazards. Before using this chair you, and each person who may assist you, should read this entire manual. Please note the Signal word and consider any notes, cautions or warnings. Make sure to follow all instructions and use your chair safely. The Signal word refers to a hazard or unsafe practice that may cause severe injury or death to you or to other persons. The “Warnings” are in three main categories, as follows:

NOTE – Note indicates a potentially hazardous situation which, if not avoided, could result in a decline in the performance of the chair or damage to your wheelchair.



CAUTION: Caution indicates a potentially hazardous situation which, if not avoided, could result in damage to your wheelchair and injury to you.

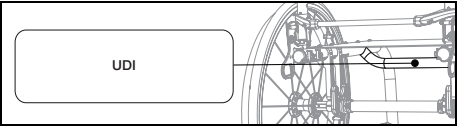


WARNING: Warning indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

These signal words will be placed throughout the manual, where appropriate to highlight the hazardous situation. Refer to Section G. for hazardous situations that will apply to the general use of this wheelchair.

E. Serial Number Identification

The UDI (Unique Device Identifier) pictured is a representative sample. For information specific to your product check the UDI label located on your product as indicated in the figure below.



F. Symbol Glossary


SYMBOL	DEFINITION
	Indicates the medical device manufacturer.
	Date of manufacture (YEAR/MM/DD).
	If presented on the medical device or packaging, it indicates the need for the user to consult the instructions for safety reasons such as cautions and warnings.
	Indicates the item is a medical device.
	Indicates the manufacturer's serial number so that a specific medical device can be identified.
	Indicates the authorized representative in the European Community.
	Indicates the manufacturer's declaration that the product meets the requirements of the applicable EC directives.
	Indicates the need for the user to consult the instructions for use.
	Indicates the need for the user to consult the listed website for instructions for use in an electronic format.
	Indicates a website where a user may obtain additional information about the medical product.
	Indicates a specified maximum weight limit (lbs/kg).
	Indicates a transit securement point.
	Indicates a potential pinch point.
	Indicates the entity importing the medical device into the locale.
	Conforms with ANSI/RESNA WC-4 Section 19 (WC19) and ISO 7176-19.
	Indicates not for transit use.
	Indicates the manufacturer's declaration that the product meets the requirements of the applicable UKCA directives.


G. General Warnings and Cautions


WARNING


	Standard	Transit
Rogue 2	275 lbs (125 kg)	275 lbs (125 kg)
Rogue XP	200 lbs (91 kg)	200 lbs (91 kg)


WARNING: Limits refer to combined weight in pounds of user and all items carried. Do not exceed weight limit of chair. Exceeding weight limit may damage your chair or may increase your risk of falling or tipping over. A tip-over or fall could result in serious injury or death.

 Do not use chair for weight training. The movement of the additional weight alters the chair's center of gravity increasing your risk of tipping over. A tip-over could result in damage to your chair or in serious injury or death.


 Do not hang backpacks, bags or heavy objects above the occupants center of gravity. The additional weight alters the chair's center of gravity increasing your risk of tipping over. A tip-over could result in serious injury or death. If additional loads need to be carried, it is recommended to use under seat carriers and pouches. Objects hung on the chair may cause instability, may prevent access to the chair components, may become entangled in moving parts or may cause a premature wear of chair components such as back upholstery and push handles.


 Keep tires inflated to correct tire pressure. Using a chair without properly inflated tires may affect its stability, increasing your risk of tipping over. A tip-over could result in damage to your chair or in serious injury or death to you or others. Correct tire pressure is indicated on the side wall of the tire. Your wheelchair provider can determine if your tires are inflatable if you are unsure.


 Avoid ramps or slopes inclined more than 9 degrees. Steep slopes increase your risk of falling or tipping over. A tip-over or fall could result in damage to your chair or in serious injury or death to you or others. Do not use chair on ramps or slopes tilted more than 9 degrees (about 2 inches rise/drop per linear-foot): neither up/down nor across.


 Avoid inclined surfaces slick or coated with ice, oil or water. Slippery inclines could result in an inability to control


the wheelchair on the surface and result in a tip-over or fall. A tip-over or fall could result in damage to your chair or in serious injury or death.


 Avoid leaning over the side or back of your wheelchair to extend your reach. Leaning over chair could change its center of gravity and cause an unstable situation resulting in a fall or tip-over. A tip-over or fall could result in damage to your chair or in serious injury or death.

 Do not lift wheelchair by its removable parts while occupied. Lifting a wheelchair by removable parts while occupied could cause user to fall or lose control. A fall or loss of control could result in damage to your chair or in serious injury or death.

 Packaging material must be kept out of the reach of children. Improper handling of packaging materials and the neglect of the duty to supervise children could result in suffocation and serious injury or death.

 Your wheelchair meets ISO 7176-16 for flammability. Resistance to ignition can change with use, aging or cleaning. Precautions should be taken to avoid ignition sources and proximity to flammable materials that can increase ignition such as oxygen and alcohol. Also, be aware that adding components, seating, postural supports or materials to the chair may alter flammability. Changes to flammability may result in serious injury or death.

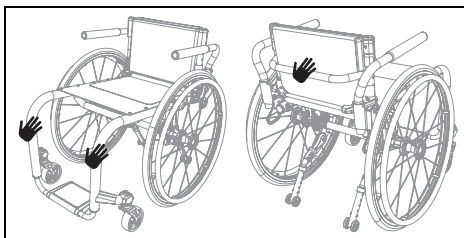
 In the event of corrosive spills or exposure to biohazards, remove contaminants immediately or serious injury or death could occur. See the Cleaning section in this manual for instructions.

 Any body part that presses against a wheelchair frame or other wheelchair components may create skin deformation that results in a high pressure point. High pressure points negatively affect the tissue under stress and can cause you to develop a pressure injury or skin breakdown. If your skin develops redness, or any other symptoms of a pressure injury or skin breakdown, discontinue the use of this product immediately and consult your clinician. Continuing to use the wheelchair after skin changes are present can result in serious injury or death.

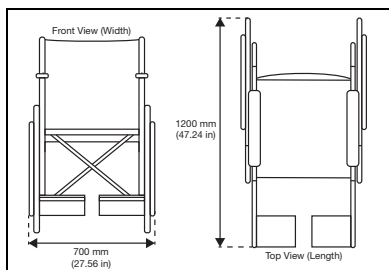
G. General Warnings and Cautions (continued)



For safe moving and lifting of the wheelchair without an occupant, it is recommended to fold the backrest (if configuration allows) and grip at points on the frame as indicated in diagram. Take care to not grip at points where components are removable or move during use of chair in order to avoid injury and a failure of the component.



Overall dimensions of wheelchairs vary according to its specific configuration such as seat depth, seat width, wheel and tire choices and the addition of aftermarket equipment not provided by Ki Mobility. If overall dimensions of your specific wheelchair exceeds the recommended dimensions in image below it may limit access to emergency escape routes. Inability to access an emergency escape may result in serious injury or death.



CAUTION



CAUTION: Avoid overtightening bolts and hardware that attach components to the frame. Overtightening could cause damage to the chair; affecting its durability and performance. Damage to the chair could result in injury to the user.

NOTE: Information about tightening hardware can be found in the maintenance section of this manual. If you are unsure how to properly tighten bolts or hardware or lack the tools necessary, consult your authorized supplier.



WARNING



WARNING: Use of footrest without supportive foot coverings like shoes can result in serious injury to your feet.

Ki Mobility wheelchairs are available with multiple footrest options. They vary in adjustability and are designed to facilitate proper support and positioning of your feet. They are intended to be used with supportive foot coverings like shoes. In general, the footplates themselves may be smaller than your feet and will not protect your feet from injury from bumping into walls, doors, or other hard surfaces you may encounter during wheelchair use. The surfaces may have textures or coatings to prevent your foot from sliding off. Some have slots to facilitate attaching other types of foot supports.

These textures coatings or attaching schemes are not designed to interact with uncovered feet and can lead to skin abrasion or pressure points which can affect tissue integrity. Secondary supports such as footpads or footbox can be added to protect your feet if you do not wear proper supportive foot coverings like shoes. If you are unsure whether your footrests are appropriate for you should consult with an ATP or other competent technical professional and an experienced clinical professional such as a physical therapist, occupational therapist, or physician to determine what footrests will best meet your needs. If you have skin breakdown or other tissue integrity issues you should discontinue use and seek advice from a clinical professional trained in skin care such as a doctor, nurse, or a therapist. Always follow the advice of the clinical professionals caring for your skin and wear recommended dressings and/or coverings to protect your skin.



WARNING



WARNING: Use of residual limb support without proper coverings can result in serious injury to your residual limb(s).

If you have had an amputation or have deformities of your lower extremities your wheelchair may have been provided with one or two residual limb supports. Residual limb supports are designed to be used with proper coverings of your residual limb(s). They may intentionally be shorter than your residual limb(s) and will not protect your residual limb from injury from bumping into walls, doors, or other hard surfaces you may encounter during wheelchair use. Residual limbs can be subject to tissue integrity issues from shear and abrasion. You should always wear proper coverings of the residual limb(s) to diminish this risk. If you have skin breakdown or other tissue integrity issues you should discontinue use and seek advice from a clinical professional trained in skin care such as a doctor, nurse, or a therapist. Always follow the advice of the clinical professionals caring for your skin and wear recommended dressings and/or coverings to protect your skin.

G. General Warnings and Cautions (continued)

WARNING

WARNING: Depending on your skin and other conditions related to your disability you may develop irritations or abrasions from prolonged contact with or rubbing against the surfaces of your wheelchair. Irritation and abrasions can lead to further complications from skin breakdown which can be serious.

Ki Mobility recommends wearing clothing or other protected coverings over skin that is resting or rubbing against components or the frame of your wheelchair. If you have skin breakdown or other tissue integrity issues you should discontinue use and seek advice from a clinical professional trained in skin care such as a doctor, nurse, or a therapist. Always follow the advice of the clinical professionals caring for your skin and wear recommended dressings and/or coverings to protect your skin.

H. Positioning Belts or Harnesses

WARNING

WARNING: Improper use of positioning belts can cause the user to slide underneath the positioning belt in the wheelchair. If this should happen, chest compression or suffocation due to pressure from the belt can occur. If this occurs, the user's breathing may be hampered causing serious injury or death.



Improper use of positioning belts could cause body parts to become entangled which can restrict mobility and movement, which could result in serious injury or death.

Ki Mobility recommends the use of pelvic positioning belts. Pelvic positioning belts can reduce the risk of falling from your wheelchair. Positioning belts, such as pelvic positioning belts and anterior trunk harnesses and straps, are designed to assist, retain and support proper positioning and posture in the wheelchair.

- Ensure the user does not slide underneath the positioning belt in the wheelchair seat.
- The positioning belt should have a snug fit; tight enough to hold their position, but not so tight as to restrict breathing. An open hand should be able to fit between the belt and the user.
- Proper use of cushions can contribute to pelvic stability and reduce sliding.
- NEVER Use Positioning Belts:
 - a. As a restraint. A restraint requires a doctor's order.
 - i. Unless you can remove the belts easily in an emergency. If you cannot

do this, consult with your health care advisor for other options to help with your posture.

- b. On a user who is unconscious or agitated.
- c. As an occupant restraint or safety belt in a motor vehicle. A positioning belt is not designed to replace a seat belt that is attached to the frame of a vehicle, which would be required of an effective seat belt. During a sudden stop, with the force of the stop, the user would be thrown forward. Wheelchair seat belts will not prevent this, and further injury may result from the belts or straps. Reference Transit section of this manual for further information.

I. Riding Your Wheelchair

WARNING

WARNING: Avoid pushing or using your wheelchair on soft, rough, uneven, or slick surfaces (including but not limited to ice, sand, loose soil, grass, gravel, potholes, cracks, and broken pavement). Use on such surfaces could cause the wheelchair to lose stability causing it to tip unexpectedly resulting in a fall or loss of control. A fall or loss of control could result in damage to your wheelchair, serious injury or death.



Always look ahead for potential obstructions or surface transitions that could cause your front caster wheels or footplate to catch causing your wheelchair to abruptly stop. Failure to do so could cause the wheelchair to tip unexpectedly resulting in a fall or loss of control. A fall or loss of control could result in damage to your wheelchair, serious injury or death.



Always look ahead for objects or obstructions that your wheelchair could potentially strike. Striking an object or obstruction could cause your wheelchair to tip unexpectedly resulting in a fall or loss of control. A fall or loss of control could result in damage to your wheelchair, serious injury or death. In addition, striking an object or obstruction could cause damage to your wheelchair. The risk of injuries and damage to your wheelchair when striking an object or obstruction increases with your rate of speed.



Using your wheelchair on public roads is extremely hazardous and is not recommended. Wheelchair users must obey pedestrian traffic rules. Review the traffic laws in your own state, some states do not permit wheelchair use on public roads.

I. Riding Your Wheelchair (continued)



Your balance is affected by the slope of the surfaces you ride on. Because balance is affected, your wheelchair will be less stable when it is at an angle. This is especially true when riding on a slope sideways. Riding your wheelchair on a slope could cause the wheelchair to tip unexpectedly and/or the user to lose stability resulting in a fall or loss of control. A fall or loss of control could result in damage to your wheelchair, serious injury or death.



When using your wheelchair in public or private areas (including but not limited to crosswalks, sidewalks, neighborhoods, parking lots and parks) be alert to the danger of motor vehicles. Due to your low position:

- When lighting is poor use reflective tape on your wheelchair and clothing.
- If you have the right-of-way always yield until the driver of the motor vehicle has seen you.



Use extreme caution when propelling backward. You may be unable to see an obstruction that could cause a tip over. Tipping over could result in damage to your wheelchair, serious injury or death.



Ki Mobility does not recommend balancing on just the rear wheels with the front casters off the ground (also known as doing a “wheelie”). A fall or tip over is very likely and could result in damage to your wheelchair, serious injury or death. If you choose to ignore this warning, do not attempt a wheelie unless you have been trained by a clinical or technical professional. You should always have the assistance of an able-bodied person prepared to prevent you from exceeding your tipping point.



Do not ride your wheelchair on an escalator. Use of a wheelchair on an escalator could cause a fall, tip-over or loss of control. A fall, tip over or loss of control could result in damage to your wheelchair, severe injury or death.



Avoid getting dressed or undressed in your wheelchair. Dressing or undressing in your wheelchair causes your weight to shift. Thus, increasing

your risk of falling or tipping over. Falling or tipping over could result in damage to your wheelchair, serious injury or death.



Ki Mobility recommends using accessories such as heel loops and calf straps. When used properly, heel loops and calf straps can aid in preventing your legs and feet from accidentally slipping off the footplate or footrest potentially causing your feet to become entangled in the wheelchair and its components or strike the ground. Use of a wheelchair without accessories such as properly fitted heel loops and calf straps can result in a potentially hazardous situation which, if not avoided, could result in injury.

When using your wheelchair always:

- Scan the area well ahead of your wheelchair as you ride.
- Ensure the surfaces you ride on are level and free of obstacles.
- Remove or cover threshold strips between rooms.
- If your wheelchair has anti-tips make sure they are locked in place when riding your wheelchair (Reference IV, P. for proper use of anti-tips).
- Keep both of your hands on the handrims as you go over obstacles.
- Never push or pull off an object to propel your wheelchair.
- Make sure there is not a drop off at the bottom of ramps.
- On an up-slope, lean your upper body forward slightly to prevent tipping backwards.
- On a down-slope, press your upper body backwards to prevent tipping forward.
- Do not attempt to push over obstacles without assistance.
- Ensure all ramps, slopes or curb cuts you attempt to ride on are compliant with ADA (Americans with Disabilities Act) guidelines or the equivalent accessibility guidelines in your region.

ADA Guidelines and more information about accessible design are available at:
www.ada.gov

J. Power Drives



WARNING: Ensure the power drive system has been validated and approved by the manufacturer for use with your Ki wheelchair and its configuration. Use of an unapproved external power drive system could result in mechanical failure of the wheelchair or cause a fall. A fall could result in damage to your wheelchair, severe injury or death.



Power drive systems change the stability and performance of the wheelchair. Always use anti-tips with your power drive system. Failure to do so could result in your wheelchair tipping over backwards. Tipping over backwards could result in damage to your wheelchair, severe injury or death.



Always look ahead for objects or obstructions that your wheelchair could potentially strike. Power drive systems change the performance of the wheelchair and will increase the risk of tipping unexpectedly if you strike an object or obstruction. Tipping unexpectedly could result in a fall or loss of control. A fall or loss of control could result in damage to your wheelchair. The risk of injuries and damage to your wheelchair when striking an object or obstruction increases with your rate of speed.



Always look ahead for objects or obstructions that your wheelchair could potentially strike. Power drive systems change the performance of the wheelchair and will increase the risk of damage to your wheelchair and/or its components. Striking an object or obstruction could result in a fall or loss of control. A fall or loss of control could result in severe injury or death.



Instructions provided by the third party for installation on our wheelchair models must be strictly followed. Improper installation may lead to product malfunction, severe injury or death, and void the warranty.

Ki Mobility wheelchairs have not been designed or tested by Ki Mobility as power wheelchairs. If you add a power drive system to a Ki Mobility wheelchair, be sure the manufacturer of the power drive system has validated and approved the combination of the power drive system and wheelchair as safe and effective.

K. Your Wheelchair and the Environment



CAUTION: Exposure to water or excessive moisture may cause the metal in the wheelchair to rust or corrode and the fabric to tear. Dry your chair as soon as possible if exposed to water.



DO NOT USE YOUR WHEELCHAIR IN A SHOWER, POOL OR BODY OF WATER. This will cause your wheelchair to rust or corrode and eventually fail.



Do not operate your wheelchair in sand. Sand can get into the wheel bearings and moving parts. This will cause damage and eventually will cause the wheelchair to fail.

L. Modifying your Wheelchair



WARNING: NO ONE SHOULD MODIFY THIS WHEELCHAIR EXCEPT BY ADJUSTING IT ACCORDING TO THIS MANUAL OR BY ADDING KI MOBILITY APPROVED OPTIONS. THERE ARE NO APPROVED OPTIONS THAT INVOLVE DRILLING OR CUTTING THE FRAME BY ANYONE OTHER THAN A TRAINED KI MOBILITY ASSOCIATE. Your wheelchair was engineered and manufactured under strict design controls. An integral part of this process is ensuring the various components work together correctly; they have been tested to various standards to ensure quality and are approved to work together. Contact an authorized supplier or Ki Mobility before adding any accessories or components not provided by Ki Mobility. Unapproved modifications or options could lead to fall and cause serious injury or death.

M. Wheelchair Stability



WARNING: The stability of your wheelchair could be affected when using on soft, rough, uneven (incline or decline), or slick surfaces (including but not limited to ice, sand, loose soil, grass, gravel, potholes, cracks, and broken pavement). Use on such surfaces could cause the wheelchair to tip unexpectedly resulting in a fall or loss of control. A fall or loss of control could result in damage to your wheelchair, serious injury or death.



Shifting weight in your wheelchair, adding weight to your wheelchair and carry or reaching for objects could affect the stability of your wheelchair. Thus, increasing your risk of falling or tipping over. Falling or tipping over could result in damage to your wheelchair, serious injury or death.

M. Wheelchair Stability (continued)



Ki Mobility does not recommend balancing on just the rear wheels with the front casters off the ground (also known as doing a “wheelie”). A fall or tip over is very likely and could result in damage to your wheelchair, serious injury or death. If you choose to ignore this warning, do not attempt a wheelie unless you have been trained by a clinical or technical professional. You should always have the assistance of an able-bodied person prepared to prevent you from exceeding your tipping point.



Avoid getting dressed or undressed in your wheelchair. Dressing or undressing in your wheelchair causes your weight to shift. Thus, increasing your risk of falling or tipping over. Falling or tipping over could result in damage to your wheelchair, serious injury or death.

Strategies to minimize the risk of falling:

- Ensure anti-tips are in the correct position (Reference IV, P. for proper use of anti-tips).
- Lean forward when pushing up an incline.
- Lean back when pushing down a decline.
- Have an attendant behind you to provide assistance.
- Wheelchair set up should be done only by an authorized technician.
- Always use the accessories provided.
- Your wheelchair should be adjusted by an authorized technician when there are changes in your weight or how you sit.
- Always use anti-tips where appropriate (Reference IV, P. for proper use of anti-tips).

To ensure proper stability of your wheelchair, you must make sure the center of gravity and the wheelchair's base of support is correct for your balance and abilities. Many factors can affect these two elements:

- | | |
|---------------|--------------------------------------|
| • Seat Height | • Size and Position of Rear Wheels |
| • Seat Depth | • Size and Position of Front Casters |
| • Back Angle | • Seating System Components |
| • Seat Angle | • Tilt Position (If Applicable) |

There are additional actions that can have adverse effects on the stability of your wheelchair. You should consult with an assistive technology professional or clinical professional that is familiar with your needs and capabilities to determine what you are able to do safely while maintaining the stability of your wheelchair.

N. Aftermarket Seating



WARNING: The installation of a cushion on a wheelchair could affect the center of gravity of the wheelchair. Changes in your center of gravity may affect your stability in your wheelchair, resulting in tipping over or falling from your wheelchair which may result in serious injury. Always review the instructions for use of your wheelchair to see if changes to the wheelchair may be needed to provide sufficient stability after adding a cushion.



The integrity of your skin can be affected by many aspects of your daily life and medical condition, including the use of this product. Be sure to follow any skin care regimens established by your clinician. Consumers of this product should make sure their skin is inspected routinely for changes as directed by their clinician. Failure to do so could result in serious injury or death.

Selecting the Proper Seating Product

You should consult with a licensed clinician (i.e. Physician or therapist) trained in wheelchair seating and positioning before selecting any seating and positioning product. This will help ensure you receive the right product for your specific needs.

IV. WHEELCHAIR USE & CONFIGURATION

A. Curbs, Steps and Stairs



WARNING: Do not ascend or descend more than 1 or 2 steps/stairs in your wheelchair. If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury or death to the rider or others.

- A. Do not try to climb or descend a curb or step alone UNLESS you are a skilled rider of this chair and:
- a. You can safely do a "wheelie" and:
 - i. You are sure you have the strength and balance to do so.

A. Curbs, Steps and Stairs (continued)

- ii. Unlock and rotate anti-tip tubes up, out of the way, so they do not interfere.
 - iii. Do not try to climb or descend a high curb or step (more than 4 inches high) UNLESS you have help. Doing so may cause your chair to exceed its balance point and tip over.
 - iv. Go straight up and straight down a curb or step. If you climb or descend at an angle, a fall or tip-over is likely.
 - v. Be aware that the impact of dropping down from a curb or step can damage your chair or loosen fasteners.
- B. Do not ascend or descend stairs in your wheelchair. Ascending and descending stairs can be challenging and may result in a fall that could result in damage to your wheelchair, serious injury or death to the user and/or those assisting.

B. Transfers



WARNING: There are many varied appropriate transfer techniques that depend on your level of disability and your unique individual functional capabilities. You should be trained by a clinical professional in the proper transfer technique for you. Assume that you can safely transfer on your own before attempting independent transfers. Be aware there is likely a point during the transfer when the wheelchair seat is not below you. Failure to perform a transfer properly can result in a fall that could result in severe injury or death.

NOTE: Before transferring out of your wheelchair every caution should be taken to reduce the gap between the two surfaces.

1. Engage the wheel locks to lock the rear wheels.
2. Rotate the casters forward to increase the wheelbase of the wheelchair.
3. Remove or swing away the footrests.
4. Have someone assist you unless you are well experienced and able in transfers.

C. Transit Use



WARNING: Never use your wheelchair as a seat in a motor vehicle unless it has been equipped with the transit option. It is always safest to transfer out of your wheelchair onto a seat in a motor vehicle with appropriate seat and shoulder belts. Using your wheelchair as a seat in a motor vehicle, if not equipped with the transit option, could result in serious injury or death.

The wheelchair equipped with the transit option has been tested to and passed the RESNA WC-4, Section 19: Wheelchairs used as seats in motor vehicles and ISO 7176-19 Wheelchairs -- Part 19: Wheeled mobility devices for use as seats in motor vehicles. RESNA and ISO standards are designed to test the structural integrity of the wheelchair as a seat for use in a motor vehicle. These standards are also designed to create compatibility with Wheelchair Tie-down and Occupant Restraint Systems (WTORS).

Not every wheelchair configuration is compatible with the transit option. Ki Mobility manages the configuration and does not offer this wheelchair except in compatible configurations. If you make changes to your wheelchair after you receive it, you should contact your wheelchair provider or Ki Mobility to make sure it is appropriate to continue to use your wheelchair as a seat in a motor vehicle.

Crashworthy pelvic belt restraints and instructions for use are available from Ki Mobility Customer Service to be used in conjunction with a vehicle anchored shoulder belt.

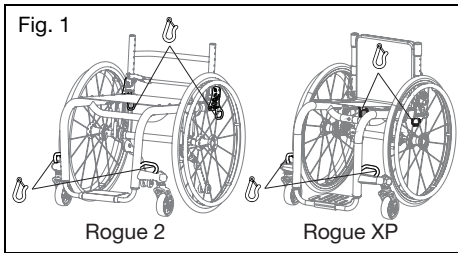
Aftermarket seating may have replaced the original equipment seat and back support designed and tested as part of the transit option. Your wheelchair provider should tell you if the seating they provided is original equipment or replacement aftermarket seating. A complete system of wheelchair frame, seating, Wheelchair Tie-down and Occupant Restraint Systems and a properly equipped motor vehicle, that have all complied with the standards mentioned in this section, should be in place before using a wheelchair equipped with the transit option as a seat in a motor vehicle.

When using your wheelchair as a seat in a motor vehicle you should always observe the following instructions:

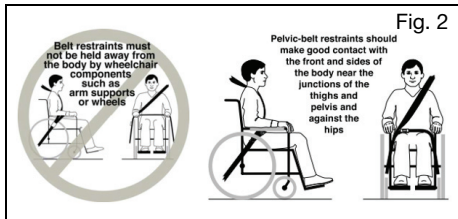
- The rider must be in a forward-facing position.
- The rider and all items carried must not weigh more than 275 lbs (125 kg).
- Some configurations of this model may exceed 28.5 in. (724 mm) in width which is the minimum width for lift platforms for ADA compliant vehicles.
- In cases of heavy and oversized wheelchairs, transportation in larger vehicles is recommended when the option exists.
- Backpacks and pouches should be removed and secured separately in the motor vehicle. In the event of an accident these items can become dangerous projectiles, which may injure or kill you or other occupants of the motor vehicle.

C. Transit Use (continued)

- The rider must use a Wheelchair Tie-down and Occupant Restraint System that complies with RESNA WC-4, Section 18: Wheelchair tie-down and occupant restraint systems for use in motor vehicles or ISO 10542-1 Technical systems and aids for disabled or handicapped persons -- Wheelchair tie-down and occupant-restraint systems -- Part 1: Requirements and test methods for all systems.
- Attach the wheelchair tie-downs to the four securement points (two front, two rear) on the wheelchair with the transit option (Fig. 1) in accordance with the wheelchair tie-down manufacturer's instructions and RESNA WC-4, Section 18 or ISO 10542-1, - Part 1.
- Use only designated securement points to secure your wheelchair to a vehicle (Fig. 1).



- Attach occupant restraints in accordance with the occupant restraint manufacturer's instructions and RESNA WC-4, Section 18 or ISO 10542-1, Part 1 (Fig. 2).
- Both pelvic and shoulder belt restraints should be used to reduce the possibility of head and chest impacts with vehicle components (Fig. 2).



⚠ WARNING ⚠

WARNING: Ensure restraint release mechanisms will not be activated by wheelchair components during a crash. Activation of restraint release mechanisms during a crash may result in serious injury or death.

- Use of headrests, lateral supports or other positioning accessories should not

be used, or relied on as an occupant restraint. These belts should be positioned so that they don't interfere with the proper positioning of crash-worthy belt restraints and should not be relied on for occupant protection in crash situations unless the postural belt has been designed to comply with, and perform to, requirements 4.6, 5.2, 5.3 and 6.1 of RESNA WC-4.

⚠ WARNING ⚠

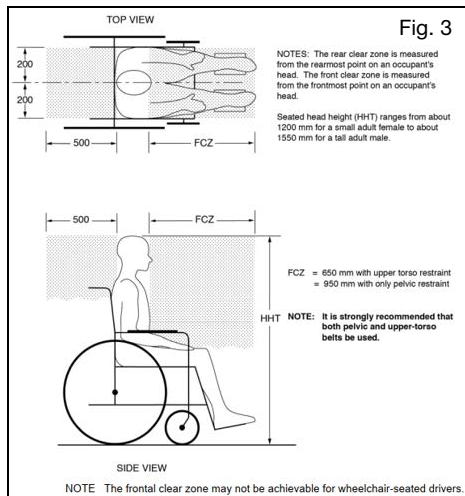
WARNING: Back supports with adjustable incline angles should not be reclined more than 30 degrees to vertical during vehicle travel unless necessary for the postural and medical needs of the occupant. After being fitted and adjusted, the top of the back support surface should be within 4 inches (10.2 cm) of the top of your shoulder. Failure to properly adjust backs support and incline angles may result in serious injury or death.

- Any aftermarket seating should be tested to comply with RESNA WC-4, Section 20 or ISO 16840-4 - Part 4.
- Attach the seating to the wheelchair frame in accordance with the seating manufacturer's instructions and RESNA WC-4, Section 20 or ISO 16840-4 - Part 4.
- Accessories such as trays, oxygen tank holders, oxygen tanks, IV poles, back packs, pouches and items not manufactured by Ki Mobility should be removed and secured separately in the motor vehicle. In the event of an accident, these items can become dangerous projectiles which may injure or kill you or other occupants of the motor vehicle.
- If the wheelchair has been involved in an accident, you should not continue to use it, as it may have suffered fatigue, or damage, that may not be visible.

⚠ WARNING ⚠

WARNING: If interior components of the vehicle cannot be removed from the clear zone (Fig. 3) especially those near the occupants head during a side impact or vehicle rollover, they should be padded with material that complies with FMVSS 201. Failure to pad interior components in the clear zone may result in serious injury or death.

C. Transit Use (continued)



WARNING

WARNING: Remove and secure any items temporarily attached to the chair while in a motor vehicle. Leaving items attached to the vent tray, battery tray or oxygen tank holder and not securing them properly and separately in a motor vehicle could result in these items becoming dangerous projectiles in the event of an accident. Additionally, oxygen tanks contain a highly pressurized gas that vigorously accelerates combustion. These factors could lead to serious injury or death to the user and/or anyone else in the vehicle.

- When using this wheelchair as a seat in a motor vehicle, you must remove any items attached to the vent tray, battery tray or oxygen tank holder and properly secure them separately.
- If the chair is equipped with an oxygen tank holder never use the wheelchair as a seat in a motor vehicle.

NOTE: To obtain copies of RESNA or ISO standards please contact the standards organizations below:

RESNA

www.resna.org

ANSI/RESNA Standards:

RESNA WC-4, Section 18:

Wheelchair tie-down and occupant restraint systems for use in motor vehicles.

RESNA WC-4, Section 19:

Wheelchairs used as seats in motor vehicles.

RESNA WC-4, Section 20:

Wheelchair seating systems for use in motor vehicles.

International Organization for Standardization (ISO)

www.iso.org

ISO Standards:

ISO 10542-1 Technical systems and aids for disabled or handicapped persons -- Wheelchair tie-down and occupant-restraint systems -- Part 1:

Requirements and test methods for all systems.

ISO 16840-4 Wheelchair seating – Part 4:

Seating systems for use in motor vehicles.

ISO 7176-19 Wheelchairs – Part 19:

Wheeled mobility devices for use as seats in motor vehicles.

U.S. Department of Transportation

FMVSS 201

www.nhtsa.gov

Occupant Protection in Interior Impact - Upper Head Impact Protection

Transit Test Results

Rating for lateral stability is Good.

Type of restraint: Three Point

Rating for ease of proper positioning a three point belt is Excellent.

Rating for the degree to which proper proper three point belt can be achieved is 16/16.

D. Cushion Use



WARNING

WARNING: Avoid sitting for long periods of time without a proper wheelchair cushion. Sitting for long periods of time without a proper wheelchair cushion could cause pressure ulcers which could lead to serious infections or even death.



Secure the cushion before use or transfer. Failure to secure a cushion can cause it to slide out during use or transfers, resulting in a fall or loss of control. A fall or loss of control could result in damage to your chair or in serious injury or death to you or others.

- a. This wheelchair was designed to be used with a proper wheelchair cushion.
- b. The standard sling upholstery is provided with hook and loop self fastening strips. The cushion being used should have hook type fasteners that can engage the loop of the seat sling to keep the cushion from sliding out from under you. Ensure the cushion is securely attached before transferring or sitting in the wheelchair.

D. Cushion Use (continued)

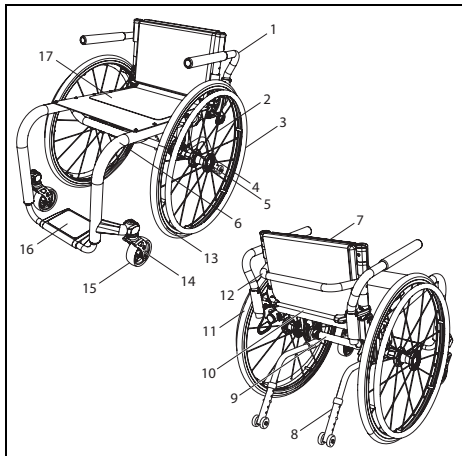
- c. A standard seat sling may not have been provided with your chair. Check with your wheelchair provider if an aftermarket replacement to the original equipment sling has been provided. If so, make sure you follow the instructions for use provided by the aftermarket manufacturer.

E. Transporting of Unoccupied Wheelchair

Ki Mobility wheelchairs are generally suitable for transport in motor vehicles and airplanes. Wheelchairs should always be secured (specific instructions from carrier required). Depending on wheelchair configuration, any particular wheelchair may be too large for transport in some motor vehicles or airplanes. Refer to other sections of this manual on how to remove options and accessories to decrease size for stowing.

F. Your Rogue 2/Rogue XP & Its Parts

1. Inspect and maintain your chair using information found in the Maintenance and Care section.
2. If you detect a problem, contact your authorized supplier immediately.



- | | |
|-----------------------|---|
| 1. Swing-Away Armrest | 10. Release Bar (Rogue 2) or Release Cable (Rogue XP) |
| 2. Spoke | 11. Wheel |
| 3. Handrim | 12. Rigidizer Bar |
| 4. Rear Wheel Hub | 13. Aluminum Wheel Rim |
| 5. Quick-Release Axle | 14. Caster Fork |
| 6. Frame | 15. Caster |
| 7. Back Upholstery | 16. Footplate |
| 8. Anti-Tip | 17. Seat Upholstery |
| 9. Camber Tube | |

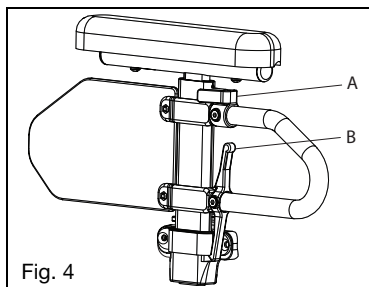
G. Height Adjustable T-Arm



WARNING: These arms offer only a lock against rotation and are designed to bear a downward force only. They will remove completely if pulled up on and cannot be used to lift or otherwise handle the chair. Failure to comply with the instructions above may result in the armrest accidentally disconnecting from the wheelchair and result in a fall or loss of control and may cause serious injury or death.

How to Use Your Armrest

1. Installation
 - a. Slide the outer armrest into the receiver mounted to the wheelchair frame.
 - b. The armrest will automatically lock into place. Check to make sure the locking lever is as shown (Fig. 4:B).
2. Height Adjustment
 - a. Rotate the release lever (Fig. 4:A).
 - b. Slide the armrest pad up or down to the desired height.
 - c. Return the lever to the locked position against the arm post.
 - d. Push the arm pad until the upper arm locks firmly into place. Check to make sure the locking lever is as shown (Fig. 4:A).
3. Removing the Armrest
 - a. Squeeze the release lever (Fig. 4:B) and remove the armrest.



H. Swing Away Armrests

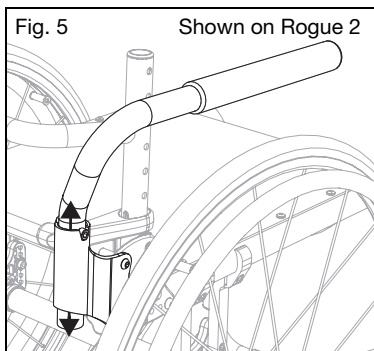


WARNING: These arms offer only a lock against rotation and are designed to bear a downward force only. They will remove completely if pulled up on and cannot be used to lift or otherwise handle the chair. Failure to comply with the instructions above may result in the armrest accidentally disconnecting from the wheelchair and result in a fall or loss of control and may cause serious injury or death.

H. Swing Away Armrests (continued)

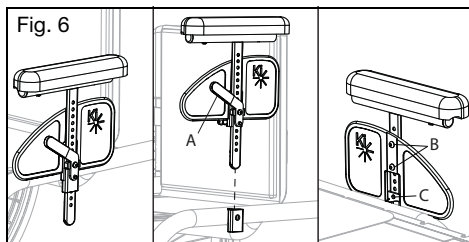
How to Use Your Armrest

1. Installation (Fig. 5)
 - a. Slide the armrest into the tube of the receiver that is mounted on the rear side of the frame.
2. Swinging the Arm
 - a. Lift the armrest slightly so it is free of the receiver bolt. Rotate away from the chair.
3. Removing the Armrest
 - a. Lift the armrest straight out of the receiver.



post but do not remove entirely. The screw can stay in the lever assembly. Repeat on the other arm.

- d. Reset the post stop and the lever assembly on the side guard post to desired position. Retighten M4 screw (Fig. 6:C). Repeat on the other arm.
- e. Place the side guard in the desired position and replace two 6mm screws (Fig. 6:B) to secure the side guard in place. Tighten two 6mm screws. Repeat on the opposite arm.
- f. Replace the armrest assemblies into the receiver (Fig. 6).



I. Pediatric T-Arm - Rogue XP



WARNING: These arms offer only a lock against rotation and are designed to bear a downward force only. They will remove completely if pulled up on and cannot be used to lift or otherwise handle the chair. Failure to comply with the instructions above may result in the armrest accidentally disconnecting from the wheelchair and result in a fall or loss of control and may cause serious injury or death.

How to Use Your Armrest

1. Installing the Armrest
 - a. Slide the armrest into the receiver on the side frame. Ensure the pin in lever engages the receiver (Fig. 6).
2. Removing the Armrest
 - a. Push the lever (Fig. 6:A) in towards the side guard panel to release the pin from the receiver.
 - b. Pull the armrest straight out of the receiver.
3. Adjusting the Arm Height in the Receiver
 - a. Remove the armrest from the chair.
 - b. Remove two 6mm screws from the side guards (Fig. 6:B).
 - c. Remove M4 screw (Fig. 6:C) from the side guard post stop through the side guard

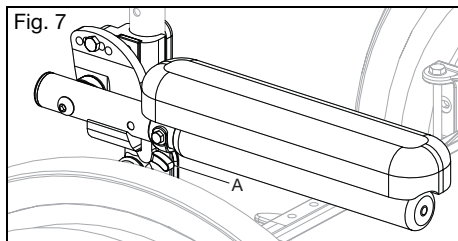
J. Angle Adjustable Locking Extendable Flip Up Armrest - Rogue XP



WARNING: These arms offer only a lock against rotation and are designed to bear a downward force only. They will flip up if pulled up on and cannot be used to lift or otherwise handle the chair. Failure to comply with the instructions above may result in the armrest accidentally disconnecting from the wheelchair and result in a fall or loss of control and may cause serious injury or death.

How to Use Your Armrest

1. Flip the Armrest Up
 - a. Press the release lever (Fig. 7:A) up to release the armrest.
 - b. Swing the released armrest up.
2. Return the Armrest to Operating Position
 - a. To return the armrest to the operating position, push the armrest down until the lever clicks and locks.



K. Rear Wheels

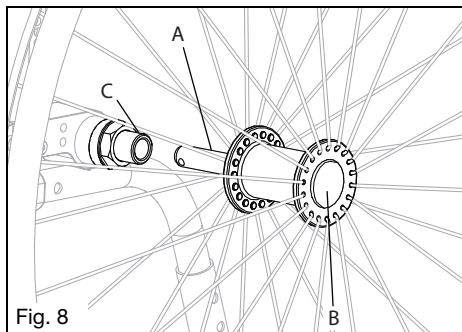


WARNING

WARNING: Before operating your chair, ensure the push button is completely extended and the locking balls on the inside are fully engaged. Failure to do so may result in the wheel falling off, which could cause a fall or tip-over resulting in serious injury or death to you or others.

How to Use Your Rear Wheels

1. Installing the Wheels
 - a. Push in the quick release button (Fig. 8:B) on the axle (Fig. 8:A) to allow the locking balls to retract. Make note of the difference between the extended and depressed position of the axle release button and its effect on the locking balls on the other end of the axle.
 - b. Insert the axle into the bearing housing on the wheel if it's separate.
 - c. Push on the quick release button again and slide the axle into the axle sleeve (Fig. 8:C).
 - d. Release the button to lock the axle in sleeve. If the release button does not fully extend and the locking balls do not move into the locked position after releasing the button, the axle length needs to be adjusted.
 - e. If the wheel does not fit, try installing it on the opposite side.



2. Removing the Wheels

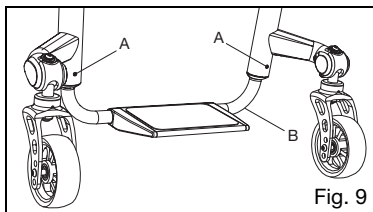
- a. Hold the wheel close to the hub and push the button in on the outside end of the axle.
- b. While still holding the button, pull the wheel and the axle out of the axle sleeve.

L. Adjusting the Footrest

How to Adjust the Height of Your Footrest

NOTE: The footrest height should be determined by working with your clinician to ensure the proper fit for your needs.

1. Loosen the set screw (Fig. 9:A) on each side of the frame using a 3mm Allen wrench. Do not remove the screws.
2. Adjust the footrest tube up or down to achieve the desired height (Fig. 9:B).
3. Ensure both sides are adjusted equally and retighten each set screw to 40 in./lbs (4.5 N*m).



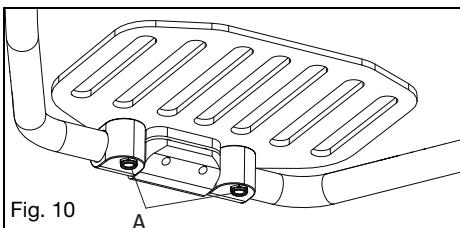
M. Angle Adjustable Footrest

How to Adjust the Angle of the Angle Adjustable Footplate:

1. Use a 4mm Allen wrench to loosen the two screws (Fig. 10:A) that secure the footplate to the footplate clamp. Do not remove the screws from the footplate. Once loose, the footplate will easily rotate around the footrest extension tube.
2. Select the desired position and retighten the two M6 screws (Fig. 10:A) to 80 in./lbs (9.04 N*m).

Changing the Position of the Aluminum Flip-Up Footplate:

1. Remove both M6 screws from the footplate. There are M6 nylock nuts recessed on the underside of the clamp. Be sure to prevent these from falling as you loosen the screws.
2. Adjust the footplate by rotating it either forward or rearward, depending on the desired angle. Once the preferred position is achieved, reinsert the screws into the appropriate holes.
3. Fit the nuts into the slot underneath the clamp and tighten the screws securely.



N. Hybrid Angle Adjustable Footrest

How to Change the Angle Adjustment of Your Footrest

1. Loosen the two screws (Fig. 11:A) on the bottom of the footrest using a 4mm Allen wrench.
2. Rotate the footrest to the desired angle and secure it in place by retightening the two screws.

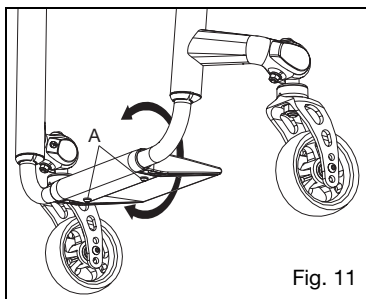


Fig. 11

O. Wheel Locks



WARNING: Underinflated or worn tires may cause your wheel locks to not function properly. Failure of the wheel locks to hold your chair could cause a loss of control or fall resulting in serious injury or death.



Wheel locks are not to be used as brakes to slow or stop your wheelchair. Using a wheel lock as a brake could cause loss of control or a fall resulting in serious injury or death.

How to Adjust Your Wheel Locks

NOTE: Always loosen and tighten wheel hardware by alternating between the two bolts while loosening/tightening a little at a time. This prevents overclamping on one set of hardware which leads to binding of the fasteners and increased difficulty in removal.

1. Use a 5mm Allen wrench to turn one of the screws in the clamp until it runs easily (less than one turn). See Fig. 12.
2. Repeat step 1 with the second screws so the clamp can be adjusted on the frame.
3. Adjust the clamp along the frame so the wheel lock properly compresses the tire and prevents any wheel movement. See Fig. 12.
4. Retighten the screws.
5. Always test new wheel lock positioning on a flat level surface. Once wheel locks are engaged, the wheels should not slip or move. If the wheel locks are not fitted properly readjust wheel lock again. See Fig. 13.

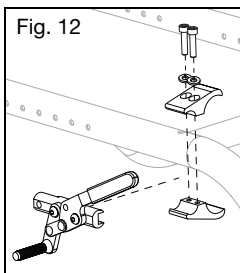


Fig. 12

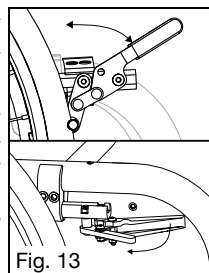


Fig. 13

Wheel Lock Operation

1. Wheel lock operation is based on the lock style your chair is equipped with. Engagement of the wheel lock bar to tire is done by pushing or pulling on the wheel lock handle to fully engage wheel lock bar to tire.
2. To disengage wheel lock move in opposite direction.

Wheel Lock Extension Operation

1. Wheel Lock Extension Handles are designed to slip over the existing wheel lock handle to provide better access to the wheel lock and increase leverage during activation and deactivation.
2. Extension handles should be removed during transfer to ensure wheel locks are not deactivated.

Grade Aids

Grade Aids are an assistive device to prevent wheelchair roll back when traveling on an incline such as a hill or ramp.

1. Engage the Grade Aid to prevent roll back by pushing down on the lever end.
2. Disengage by pulling upward on the lever.

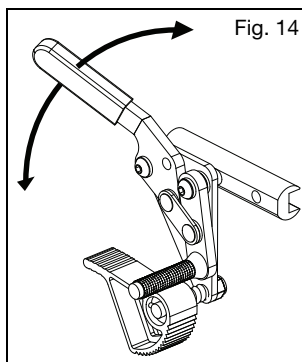


Fig. 14

P. Anti-Tips

⚠️ WARNING ⚠️

WARNING: Always keep anti-tips in the down position when they are not at risk of interference. Have a clinical or technical professional confirm your anti-tips are installed in the correct position. They can do so by tipping the occupied wheelchair back on to the anti-tips to test that they properly limit the rearward rotation of your wheelchair. If the anti-tips allow your wheelchair to tip to a point where your center of gravity (COG) is vertically aligned with the point where the wheel contacts the ground, the wheelchair is unstable and could result in the wheelchair tipping over. Tipping over could result in damage to your wheelchair, serious injury or death.



New and experienced wheelchair users switching to a new wheelchair or adjusting the configuration of a current wheelchair should always use anti-tips. If the user has a change in physical capabilities, they should use anti-tips as well. Any change in the user's physical capabilities or wheelchair increases the risk of tipping over backwards. Tipping over backwards could result in damage to your wheelchair, serious injury or death. You should always use anti-tips until you have adapted to the new or adjusted wheelchair.



Remove or turn the anti-tips up when ascending or descending curbs, obstacles and steps. If the anti-tips are left in the down position when ascending or descending curbs, obstacles and steps, they can become bent or broken. If the anti-tips are bent or broken, they will no longer prevent the wheelchair from tipping over backwards. Tipping over backwards could result in damage to your wheelchair, serious injury or death.



Using your wheelchair on soft surfaces (including but not limited to sand, loose soil, grass and gravel), uneven grades and ramps can cause anti-tips to lose effectiveness resulting in the wheelchair tipping over backwards. Tipping over backwards could result in damage to your wheelchair, serious injury or death.



Ki Mobility recommends using two anti-tips on your wheelchair. Use of a single anti-tip increases the risk of tipping over backwards. Tipping over backwards could result in damage to your wheelchair, serious injury or death.

Ki Mobility recommends using anti-tips with your wheelchair. Anti-tips help prevent your wheelchair from tipping over backwards. When adjusted properly, anti-tips provide a significant increase in rearward stability. Use of anti-tips does not guarantee your wheelchair will not tip over. Always remember to reinstall or turn the anti-tips to the down position after they were removed or turned to the up position.

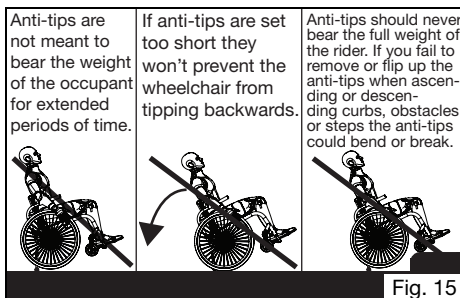


Fig. 15

How to Install the Standard Anti-Tips (Fig. 16)

1. Press the rear anti-tip release pin (Fig. 16:A) on the anti-tip tube so both the release pins are drawn inside.
2. Insert the anti-tip tube into the receiver mounted on the camber tube.
3. Turn the anti-tip tube down until the release pin is positioned through the receiver mounting hole.
4. Insert the second anti-tip tube the same way.

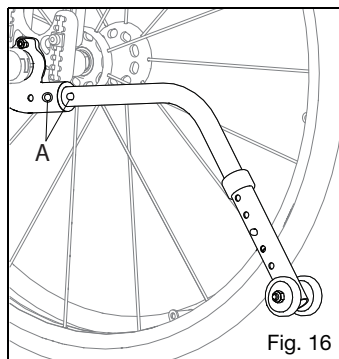
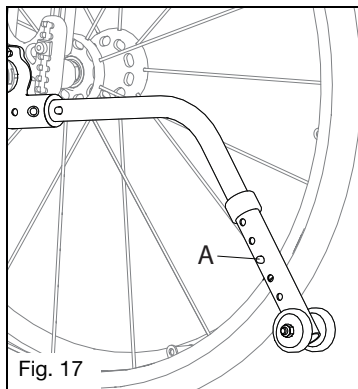


Fig. 16

P. Anti-Tips (continued)

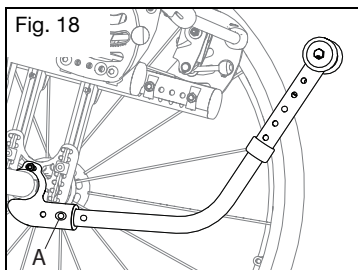
How to Adjust the Wheel Extension Height (Fig. 17)

1. Press the anti-tip wheel release pin so the release pin (Fig. 17:A) is drawn inside.
2. Raise or lower the anti-tip to any of the predrilled holes.
3. Release the pin.
4. Adjust the second anti-tip tube wheel the same way. Both of the wheels should be at exactly the same height.



How to Turn the Anti-Tip Tubes Up (Fig. 18)

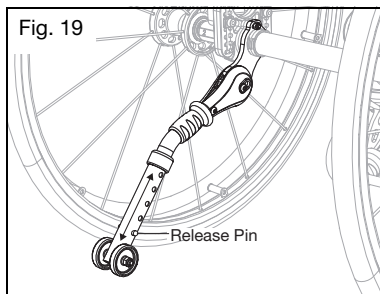
1. Press the rear anti-tip tube release pin (Fig. 18:A).
2. Hold the pin in and turn the anti-tip tube up.
3. Release the pin.
4. Repeat with the second anti-tip tube.
5. Return the anti-tip tubes to the down position after completing the maneuver.



How to Adjust the Length of the User Activated Anti-Tips (Fig. 19)

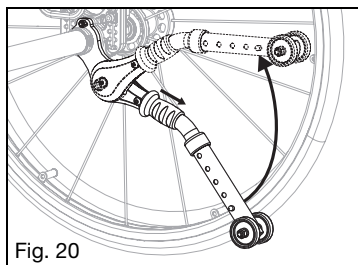
1. Press the anti-tip wheel release pin so the release pin is drawn inside.
2. Raise or lower the anti-tip to any of the predrilled holes.
3. Release the pin.

4. Adjust the second anti-tip tube wheel the same way. Both wheels should be the same height.



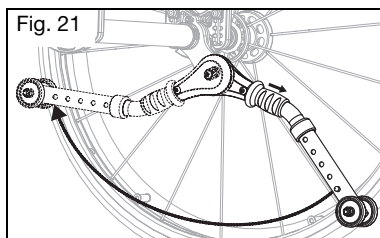
How to Put the User Activated Anti-Tips into the In Use and Up Positions (Fig. 20)

1. Grasp rubberized grip and pull down, disengaging anti-tip from the slot in receiver.
2. Rotate into the desired position. The anti-tip should stay in position once the rubberized grip has been released.
3. Adjust the second anti-tip tube wheel the same way. Both of the wheels should be at exactly the same height.



How to Put the User Activated Anti-Tips into the Stow Position (Fig. 21)

1. Lift the wheelchair so the rear wheels are off the ground.
2. Grasp rubberized grip and pull down, disengaging anti-tip from the slot in receiver.
3. Rotate under the wheelchair into the transfer position. The anti-tip should stay in position once the rubberized grip has been released.
4. Adjust the second anti-tip tube the same way. Both anti-tips should be in the same position.



Q. Standard 5th Wheel - Rogue XP

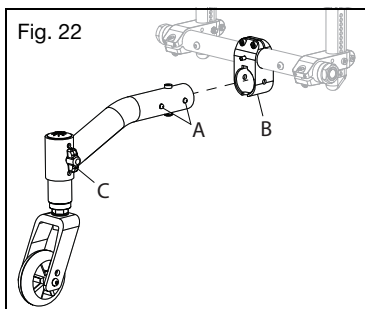
If the Standard 5th Wheel caster touches the ground, it is possible that the large rear wheels might not touch the ground. Adjust the height of the caster to prevent the rear wheels from not touching the ground and consider a higher position if being used outdoors or on uneven surfaces.

How to Insert and Remove the Standard 5th Wheel

1. Press the two release buttons (Fig. 22:A) on the support tube so that both buttons are drawn inside.
2. Insert the assembly into the support tube receiver (Fig. 22:B).
3. Rotate the support tube down until the release pin buttons are positioned through the receiver mounting holes.
4. Remove by pressing the two release buttons (Fig. 22:A) on the support tube and pulling out of the support tube receiver.

How to Adjust the Position from the Floor

1. Remove the wing nut (Fig. 22:C) from the bolt holding the caster housing into the support tube.
2. Slide the housing to the desired height and replace the bolt and secure the wing nut.



R. Dynamic 5th Wheel - Rogue XP

If the Dynamic 5th Wheel caster touches the ground, it is possible that the large rear wheels might not touch the ground. Adjust the height of the caster to prevent the rear wheels from not touching the ground and consider a higher position if being used outdoors or on uneven surfaces.

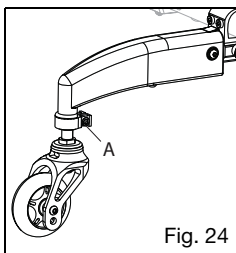
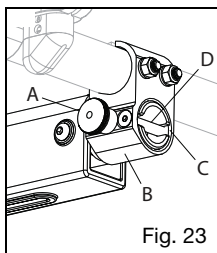
How to Insert and Remove the Dynamic 5th Wheel

1. To remove, pull the release knob (Fig. 23:A) to disengage the locking pin and slide the assembly out of the tubular receiver.

2. To insert the assembly, pull the release knob (Fig. 23:A) and insert the assembly into the tubular receiver (Fig. 23:B).
3. Rotate the assembly in the receiver to align the slot (Fig. 23:C) and the cross pin (Fig. 23:D).
4. Release the knob (Fig. 23:A).

How to Adjust the Position from the Floor

1. Loosen the 6mm bolt in the clamping ring (Fig. 24:A).
2. Grasp the caster fork assembly and move up or down to the desired position. Take care to not rotate the caster stem within housing while repositioning.
3. Retighten the 6mm bolt in the clamping ring (Fig. 24:A).



How to Adjust the Spring Force

1. Remove the Dynamic 5th Wheel assembly from the chair.
2. Loosen the 6mm screw located on the underside of the assembly (Fig. 25:A).
3. To decrease the spring rate, slide the screw and elastomer away from the caster fork assembly. To increase the spring rate, slide the screw and elastomer towards the caster fork assembly.
4. Retighten the 6mm screw (Fig. 25:A). Take care to not overtighten.

How to Change the Elastomer

1. Remove the Dynamic 5th Wheel assembly from the chair.
2. Remove the 6mm screw from the side of the Dynamic 5th Wheel arm (Fig. 26:A) using two 4mm Allen wrenches.
3. Using an Allen wrench, push the threaded barrel (Fig. 26:B) out of the arm assembly.
4. Slide the tubular receiver (Fig. 26:C) out of the assembly.
5. Remove the 6mm screw located on the underside of the assembly. This will release the elastomer (Fig. 26:D). Remove the elastomer and set aside.
6. Insert the elastomer into the opening on the arm assembly with the threaded insert facing the down backwards slot, aligned with the slot in the arm.

R. Dynamic 5th Wheel - Rogue XP (continued)

- Thread the 6mm screw and washer (Fig. 26:D) through the slot and into the threaded insert in the elastomer.
- Retighten the 6mm screw (Fig. 26:D). Take care to not overtighten.
- Reinsert the tubular receiver (Fig. 26:C) into the arm. Take care to place the flat arm of the tubular receiver over the top of the elastomer.
- Align the holes on the arm and the tubular receiver to insert the threaded barrel (Fig. 26:B) and 6mm (Fig. 26:A).
- Tighten the 6mm screws (Fig. 26:A) using two 4mm Allen wrenches.

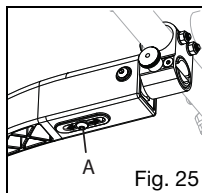


Fig. 25

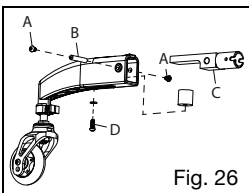


Fig. 26

S. Upholstery Fabric



WARNING

WARNING: You must immediately replace seat and back upholstery that has worn through and shows signs of failing. If you fail to do so, the seat or back may fail which could cause a fall resulting in serious injury or death.

The seat sling material will weaken over time. The repeated action of transferring to your wheelchair will weaken your sling material quicker. Inspect your upholstery for fraying, thin spots or stretching of fabrics especially at edges and seams. This should be done monthly. Also, be aware that laundering or excess moisture will reduce flame retardation of the fabric. See the Maintenance and Care section for proper cleaning and maintenance notes. Contact your authorized supplier if you have concerns about your seat or back, or feel it needs to be replaced.

T. Seat Upholstery



WARNING

WARNING: You must immediately replace seat and back upholstery that has worn through and shows signs of failing. If you fail to do so, the seat or back may fail which could cause a fall resulting in serious injury or death.

How to Adjust the Seat Upholstery Tension

- Reach under the seat upholstery to find the tension adjustable hook and loop flap. This should be located on the bottom, right side of the seat upholstery.
- Loosen the Phillips head screws (Fig. 27) on the same side of the seat upholstery as the tension adjustable flap.
- Separate the hook from loop on the tension adjustable flap by pulling it apart.
- To tighten the seat upholstery, pull the tension adjustable flap towards the opposite side of the chair. To loosen the seat upholstery, apply pressure from the top of the seat upholstery towards the ground.
- When the seat upholstery has reached the desired level of tension, press the hook and loop back together.
- Retighten the Phillips head screws (Fig. 27).

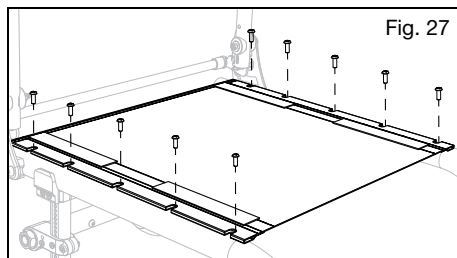


Fig. 27

How to Replace Seat Upholstery

- Remove the 5mm Phillips head screws (Fig. 27) from the seat rails on each side of the frame and set aside.
- Remove the seat upholstery from the seat rails.
- Slide the new seat upholstery onto the seat rails.
- Line up the holes in the seat rails with the threaded inserts in the frame.
- Replace the 5mm Phillips head screws (Fig. 27) by partially threading into place. Once all screws have been started, go back and tighten to secure.

U. Backrest



WARNING

WARNING: You must immediately replace seat and back upholstery that has worn through and shows signs of failing. If you fail to do so, the seat or back may fail which could cause a fall resulting in serious injury or death.

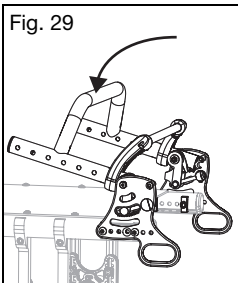
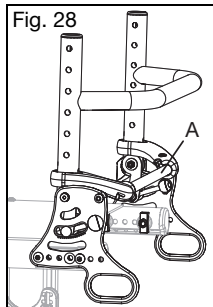


Do not occupy or operate the chair when backrest is not latched. Doing so could in a fall which could result in serious injury or death.

U. Backrest (continued)

How to Use the Folding Backrest - Rogue 2

1. Lift the back release bar (Fig. 28:A), located behind the back frame, to release the latch and fold downwards towards the seat frame (Fig. 29). To latch back into place, pull the back release bar outward and the back will release and can be pushed into the upright position. The backrest will automatically latch onto the back plate.
2. Ensure a solid engagement onto the latches by pulling back on the backrest frame into the upright position.



How to Use the Relaxed Position (Fig. 30) - Rogue 2



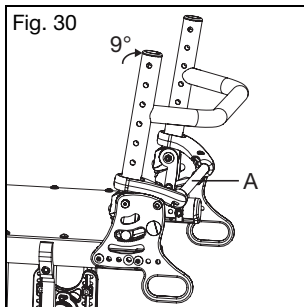
WARNING: Remove your weight from the backrest when engaging the relax position. Failure to do so could result in a tip-over. A tip-over or fall could result in damage to your chair, serious injury or death.



The relax position affects the stability of the chair and increases your risk of tipping over. A tip-over could result in damage to your chair, serious injury or death.

The backrest will open into an extended position referred to as the "Relaxed Position" which has two settings, 4 and 9 degrees.

1. Lean forward slightly to take the load off the latching pins and then pull up on the release bar (Fig. 30:A) and lean back into the relaxed position.
2. Reengage the back by pulling the back tubes forward until the back locks with a click.



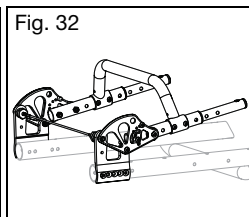
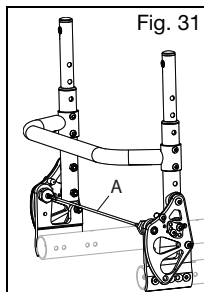
WARNING: Do not lift the wheelchair by the release bar (Fig. 31:A). Lifting the wheelchair by the release bar may cause parts to fail which could cause a fall resulting in serious injury or death.



Do not occupy or operate the chair when backrest is not latched. Doing so could in a fall which could result in serious injury or death.

How to Use the Folding Backrest - Rogue XP

1. Pull the release cable (Fig. 31:A), located behind the back frame, outward to release the latch and fold downward towards the seat frame (Fig. 32).
2. To latch back into place, pull the release cable outward and the back will release and can be pushed back into the upright position. The backrest will automatically latch onto the side frame.
3. Ensure a solid engagement onto the latches by pulling back on the backrest frame into the upright position.

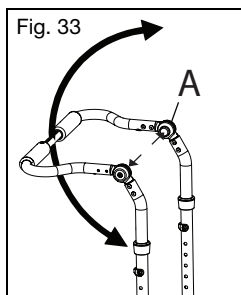


How to Adjust Integrated Push Handle Angle - Rogue XP

1. Push the buttons of the locking hinges (Fig. 33:A). Both of the buttons must be pressed simultaneously to adjust the angle.

U. Backrest (continued)

2. While holding the buttons down, rotate the push handle to the desired position.
3. Release the buttons when the desired angle is achieved.
4. Verify that the hinge is locked by pulling upwards on the push handles.



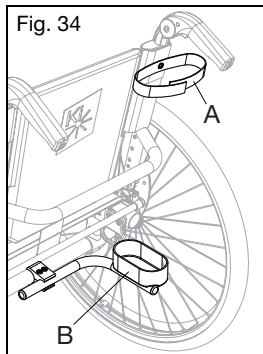
V. Cane and Crutch Holder



WARNING: Always remove any items temporarily attached to the wheelchair while in a motor vehicle. Leaving items attached and not storing them securely and separately in a motor vehicle could result in these items becoming dangerous projectiles in the event of a sudden or abrupt change in speed or direction. Additionally, secure canes or crutches in a proper manner while riding your wheelchair. These items may become entangled in the wheelchair resulting in a fall or tip-over. A fall or tip-over may result in damage to your chair or in serious injury or death.

How to Use Cane or Crutch Holder

1. Place narrow end of cane or crutch in the bottom receiving cup (Fig. 34:B).
2. Use the hook and loop fastener (Fig. 34:A) to secure the cane or crutch to the upper back cane. Confirm the canes or crutches will stay securely in place, both vertically and horizontally, when the wheelchair is in motion.



W. Drum Brake

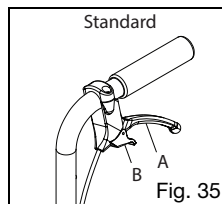


WARNING: Ensure the drum brakes are properly adjusted. Using your wheelchair without properly adjusted drum brakes can affect the stability of the wheelchair causing a loss of control resulting in serious injury.

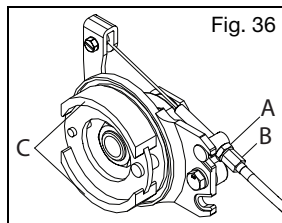


CAUTION: When stowing or transporting your wheelchair with the drum brakes removed, take care not to damage the exposed brake pads which can cause damage to your chair and affect the proper operation of the drum brakes.

1. Brake Operation



- a. Squeeze the brake levers (Fig. 35:A) on both sides of chair to activate brakes. Each side is operated independently and may be squeezed with more or less force to get more or less braking action.
 - b. Let go of brake levers to release brake.
 - c. For parking brake function, squeeze each brake lever and, with trigger squeezed, use index finger to flip locking lever (Fig. 35:B) down into the teeth on the lever mount. While holding the locking lever down, release brake handles and parking brake will remain engaged.
 - d. To release the parking brake, squeeze the brake levers until spring loaded locking levers snap back. Release the brake levers to deactivate the brake.
2. Brake Adjustment
 - a. Using a 10mm wrench, unlock the jam nut (Fig. 36:A) on adjuster (Fig. 36:B). Unthread adjuster to get tighter braking action or thread adjuster in to reduce the braking action.



W. Drum Brake (continued)

- b. It is recommended to adjust the brake until there is a slight bit of drag on the wheel when spun. Then thread the adjuster inward about 1/2 turn, or whatever is necessary to remove all drag from the spinning wheel.
- c. Retighten jam nut to lock the adjustment in place. Repeat for opposite side of chair.
- d. Verify that the drum brake, when fully engaged, still prevents the wheels from rotating by attempting to push the wheelchair with the occupant in it and the wheels locked.

X. Step Tube



WARNING: Ensure occupant is seated securely in the chair before stepping onto the step tube. An occupant not seated securely while the step tube is used could fall resulting in serious injury or death.

NOTE: The step tube brackets vary depending on the axle plate. The hardware for attaching the step tube to the bracket stays the same. In the image below, the bracket is shown off the axle plate to show the step tube installation holes only.

How to Install the Step Tube (Fig. 37)

- 1. Slide the step tube into the rear frame and secure with bolt, saddle and nut.

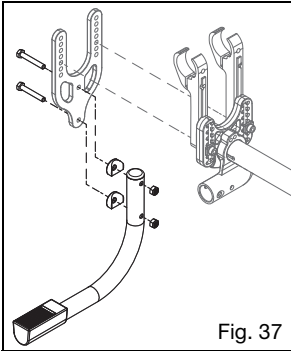


Fig. 37

Y. Contact Surfaces



WARNING: Handling of wheelchair surfaces with elevated temperatures can result in a potentially hazardous situation which, if not avoided, could result in injury.



Do not expose the chair and components to any extreme cold. Extremely cold metal surfaces may result in skin freezing to the surface and resulting in skin damage.

Be aware that prolonged exposure to direct sunlight or other sources of radiant heat may

increase the temperature of surfaces on your wheelchair above recommended limits estimated by standards. Caretakers should assess patients for adverse reactions on the skin from contact surfaces such as redness, swelling, irritation sensitization, allergy, immune response or other reactions.

V. MAINTENANCE AND CARE

A. Maintenance Table

Regular and routine maintenance will extend the life of your wheelchair while improving its performance. Any maintenance check that you are not comfortable performing should be done by an authorized supplier. Only use Ki Mobility approved parts when replacing components. Contact your Authorized Service Representative (Dealer locator can be found on the Ki Mobility website) for parts information, identification, ordering and additional technical information or instruction. Most components are illustrated in "Ki Parts" on the Ki Mobility website. Common tools to perform user authorized maintenance include: Tire pressure gauge, open end metric wrenches and metric allen wrenches.



WARNING: Lack of maintenance could result in adverse events including loss of support or control which could result in serious injury or death.



If there is any doubt as to the continued safe use of your wheelchair or if any parts should fail or appear to be near failure, stop using the device immediately and contact your authorized representative immediately.



CAUTION: Do not use petroleum-based solvents, degreasers or dewatering agents (including but not limited to automotive cleaners, alcohols or WD-40). Damage to components, bearings or finishes may occur.

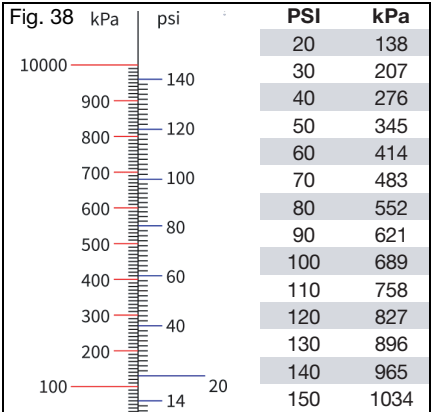
Check	Discontinue Use & Contact Authorized Supplier	Weekly	Monthly	Annually
Check the tire inflation levels and inflate as needed. The correct inflation levels are found on the tire. (See pressure conversion table below if required - Fig. 38)		✓		

A. Maintenance Table (continued)

Check	Discontin- ue Use & Contact Authoriz- ed Supplier	Weekly	Monthly	Annually
Check wheel lock engagement and disengagement. Tire pressure changes and tire wear will require the wheel locks to be adjusted. Wheel lock adjustment instructions can be found in the Wheel Locks section of this manual.		✓		
Check the axle sleeves to ensure the axle sleeve nuts are tight.		✓		
Check that quick release axles engage and disengage properly.		✓		
Check that caster wheels, anti-tip wheels and rear wheels spin freely. Cleaning or replacement parts may be needed if there are any issues.		✓		
Clean area around the caster housing and bearings. This is a common location for hair build up.		✓		
Clean your wheelchair. See the Cleaning section in this manual for instructions.		✓		
Check the rear tires, anti-tip wheels and the caster wheels for wear spots. Replace immediately if needed.		✓		
Check the rear tires, anti-tip wheels and the caster wheels for damage.	✓	✓		
Check handrim fasteners to ensure the they are tightened and secure. Check that handrims are not damaged.		✓		
Check that the hand grips do not rotate or pull off. Replace if needed.		✓		
Check armrest receivers for loose or missing fasteners and check they are secure, adjusted properly and maintain position.		✓		
Check that anti-tips are level and functional.		✓		
Inspect the chair frame(s) and components for deformities, defects, cracks, dimples or bends. These could be signs of fatigue in the wheelchair which could result in a failure.				✓
Check upholstery for signs of wear, fraying or holes. Replace upholstery immediately if needed.	✓		✓	

Check arm pads, cushions and back rest for damage, rips or tears.			✓
Visually and physically inspect wheels for any loose, broke or bent spokes. These symptoms may indicate incorrect spoke tension.			✓
Check that all fasteners are tight. Unless otherwise noted, fasteners should be tightened to 40 in./lbs (4.51 N·m).	✓		✓
Verify the wheelchair rolls easily and straight.			✓
Verify that your wheel is true by visually inspecting the wheel during rotation for any unusual movement including, but not limited to wobbling, hopping, and/or irregular movement. If you suspect your wheels are not true, contact your authorized dealer or local bicycle technician.	✓		✓
Have the wheelchair checked and adjusted by a qualified technician at your authorized supplier.			✓

Pressure Conversion Table



B. Cleaning



CAUTION: Washing upholstered components containing flame retardants, as indicated on the labeling of the upholstery, may reduce the flame retardants' efficacy over time. This may increase the risk of ignition when exposed to open flame or other ignition sources, which may increase the risk of injury.

Axles, Wheels, Tires and Moving Parts:

1. Clean around the axles and wheels weekly with a damp rag.

B. Cleaning (continued)

2. Hair and lint will lodge in and around the caster housing and rear wheel axles. Remove with a stiff brush or pick. Take care not to damage bearing seals.

Painted Surfaces

1. Hand wash using a cloth and mild detergent.
2. Dry using a clean cloth or allow wheelchair to air dry.
3. Nonabrasive wax may be used to help preserve painted surfaces.

Upholstery:

1. Hand wash using a cloth and mild detergent.
2. Allow upholstery to air dry. **DO NOT** machine dry.

Plastic Components

1. Hand wash using a cloth and mild detergent.
2. Do not use solvents or aggressive cleaners as they may damage plastic components.

Sanitizing

1. Disinfect surfaces with over the counter disinfecting sanitizer of at least 70% alcohol or wipes. Do not soak or allow pooling of cleaning solutions.
2. Allow sanitizer to remain on surface for at least 15 minutes and remove with aseptic cloth.

C. Storage

1. When not in use, keep your chair in a clean, dry area. Failure to do so may result in your chair rusting and/or corroding.
2. If your chair has been in storage for more than two months, it should be serviced and inspected by an authorized supplier before use.

D. Disposal

Specific waste disposal or recycling regulations may be in force locally and these should be taken into consideration when disposal arrangements are made. This may include the cleaning or de-contamination of the wheelchair before disposal.

If recycling of materials is a requirement, please refer to the following list of general materials used in the components of the wheelchair:

- Aluminum - Frame, caster fork, caster mount, bearing housing, camber tube assembly, backrest mount plates, backrest frame, backrest release bar, push handles, footrest tubes, footplate, seat rails, handrim and wheel rim.
- Steel - Fasteners, QR axles, caster stems, backrest release latch, wheel spokes, bearings and axle sleeve.

- Plastic - Rear wheels, caster tires, push handle grips, armrest pads and tube plugs.
- Upholstery - Woven polyester fabric and polyurethane foam.

If recycling of materials is desired or a requirement, such as per Directive 2012/19/EU, WEEE (Waste Electrical and Electronic Equipment) in Europe, both REAC and Mascot are compliant to WEEE and provide guidance on recycling and disposal. Proper dismantling is necessary to achieve a high proportion of reuse or recycle. Care to use proper tools and protective measures in handling are required to avoid contact with sharp edges.

Plastics marked with recycling symbols and thermoplastic parts can be recycled. Aluminum, copper and steel parts, including fasteners, may be recycled. Cables, batteries and PCB are to be disposed separately per local requirements. Return your chair and accessories to your authorized supplier for proper disposal if you are not comfortable or able to dispose of your wheelchair properly.

VI. TROUBLESHOOTING

A. Symptoms and Solutions

For optimum performance, your wheelchair needs to be adjusted occasionally. The following is a list of potential symptoms you may encounter over the life of your wheelchair and the suggested solutions for each symptom. For best results when troubleshooting, try one solution at a time before proceeding to a second solution. If symptoms are not relieved or you are not confident in performing the solution, it is recommended to take the wheelchair to an authorized service center for repair.

Solutions:

- A - Self Correct if capable or contact Authorized Distributor
- B - Contact Authorized Distributor

A. Symptoms and Solutions
(continued)

		Symptoms						
		Chair pulls to one side	Loose-ness in chair	Diffi-culty turn-ing	Cast-er Float	Cast-er Flutt-er	Squeak-ing, click-ing or rattling	Wobb-ling
Solutions	A	Ensure all tire pressures are correct and equal.	X			X		
	A	Check to make sure all fasteners are tightened appropriately, tighten if necessary.	X	X	X			
	B	Tighten spokes (if present).	X	X		X		
	A	Check to make sure casters are contacting the ground and float is not present.					X	
	B	Optimize CG setting.						X
	A	Check for interference at rear wheel and front casters.	X					
	A	Lubricate w/Teflon based lubricant between frame connections and mating parts in suspect areas.	X	X				
	A	Remove caster/bearing debris.						

VII. WARRANTY

Ki Mobility warrants the frame and quick-release axles of this wheelchair against defects in materials and workmanship for the life of the original purchaser. All other Ki Mobility-made parts and components of this wheelchair are warranted against defects in materials and workmanship for one year from the date of first consumer purchase.

The expected life of the frame is five years.

Limitations to the Warranty

- We do not warrant:
 - Wear items: Upholstery, tires, armrest pads, tubes, armrests and push-handle grips.
 - Damage resulting from neglect, misuse or from improper installation or repair.
 - Damage from exceeding weight limit.
- This warranty is VOID if the original chair serial number tag is removed or altered.
- This warranty is VOID if the original chair has been modified from its original condition and it is determined the modification resulted in failure.
- This warranty applies in North America only. Check with your supplier to find out if international warranties apply.

Ki Mobility's Responsibility

Ki Mobility's only liability is to replace or repair, at our discretion, the covered parts. There are no other remedies, expressed or implied.

Your Responsibility

- Notify Ki Mobility, via an authorized supplier, prior to the end of the warranty period and get a return authorization (RA) for the return or repair of the covered parts.
- Have the supplier send the authorized return, freight pre-paid, to:

Ki Mobility
5201 Woodward Drive
Stevens Point, WI 54481
- Pay any charges for labor to repair or install parts.

VIII. SPECIFICATION SHEET - ROGUE 2

Manufacturer: Ki Mobility	Maximum Occupant Mass: 125 kg, 275 lb
Address: 5201 Woodward Dr., Stevens Point, WI 54481	Occupant Mass Group (I, II or III): III
Model: Rogue 2	

Disclosure Information (ISO)

Standard Reference	Measurement	Fixed or minimum value	Maximum value, if relevant	Standard Reference	Measurement	Dim. No.	Fixed or minimum value	Maximum value, if relevant
ISO 7176-5 8.2	Overall length with leg rest (Std or SRC)	838 mm 33 in	- mm - in	ISO 7176-1 11	Did anti-tip device prevent chair from tipping over?			Yes
ISO 7176-5 8.2	Overall length with leg rest (MDC/MAC)	- mm - in	- mm - in	ISO 7176-3 7.2	Max Slope Uphill/Downhill	N/A	>8.5°	- °
ISO 7176-5 8.3	Overall width	673 mm 26.5 in	- mm - in	ISO 7176-3 6b	Brake Operating Force	N/A	53 N 12.0 lb	- N - lb
ISO 7176-5 8.4	Handgrip Height (SRC/MDC)	1029 mm 42 in	- mm - in	ISO 7176-30 5.10	Lever operating force (tilt/recline)	N/A	- N - lb	- N - lb
ISO 7176-5 8.5	Folded Length (SRC/MDC)	812 mm 32 in	- mm - in	ISO 7176-30 8	Reclining back adjustment force	N/A	- N - lb	- N - lb
ISO 7176-5 8.6	Folded Width (SRC/MDC)	673 mm 26.5 in	- mm - in	ISO 7176-7 7.3.2	Seat plane angle	(1)	3.8°	- °
ISO 7176-5 8.7	Folded Height (SRC/MDC)	660 mm 26 in	- mm - in	ISO 7176-7 7.3.3	Effective seat depth	(2)	432 mm 17.0 in	- mm - in
ISO 7176-5 8.8	Rising	25 mm 1 in	- mm - in	ISO 7176-7 7.3.5	Effective seat width	(4)	508 mm 20.0 in	- mm - in
ISO 7176-5 8.9	Total Mass	13.6 kg 30 lb	- kg - lb	ISO 7176-7 7.3.6	Seat surface height at front	(5)	425 mm 16.7 in	- mm - in
ISO 7176-5 8.10	Mass of the heaviest part	8.8 kg 19.5 lb	- kg - lb	ISO 7176-7 7.3.7	Backrest angle	(6)	10°	- °
ISO 7176-5 8.13	Turning Radius (SRC/MDC)	660 mm 26 in	- mm - in	ISO 7176-7 7.3.8	Backrest Height	(7)	408 mm 20.0 in	- mm - in
ISO 7176-5 8.15	Required width of angled corridor (SRC/MDC)	787 mm 31 in	- mm - in	ISO 7176-7 7.3.12	Footrest to seat distance	(11)	432 mm 17.0 in	- mm - in
ISO 7176-5 8.16	Required doorway entry depth (SRC/MDC)	922 mm 36 in	- mm - in	ISO 7176-7 7.3.16	Leg to seat surface angle	(15)	110°	- °
ISO 7176-5 8.17	Required corridor width for side opening (SRC/MDC)	800 mm 31.5 in	- mm - in	ISO 7176-7 7.3.17	Armrest to seat distance	(16)	254 mm 10.0 in	- mm - in
ISO 7176-1 8	Static stability downhill	20.8°	21°	ISO 7176-7 7.3.18	Front armrest to backrest distance	(17)	356 mm 14.0 in	- mm - in
ISO 7176-1 9	Static stability uphill	7.6°	19.1°	ISO 7176-7 7.3.23	Front location of armrest structure	(22)	432 mm 17.0 in	- mm - in
ISO 7176-1 10	Static stability sideways	15.3°	20°	ISO 7176-7 7.3.24	Handrim diameter	(23)	508 mm 20.0 in	- mm - in
ISO 7176-1 11	Static stability with anti-tips	14.4°	- °	ISO 7176-7 7.3.26	Horizontal location of axle	(25)	76 mm 3.0 in	- mm - in

This wheelchair conforms to the following standards:	Yes	No	N/A
a) Requirements & test methods for static, impact and fatigue strengths (ISO 7176-8 and ISO 7176-30 as applicable)	X		
b) Requirements for resistance to ignition in accordance with ISO 7176-16	X		

See General Warnings section of manual for further information on flammability.

IX. SPECIFICATION SHEET - ROGUE XP

Manufacturer: Ki Mobility	Maximum Occupant Mass: 91 kg, 200 lb
Address: 5201 Woodward Dr., Stevens Point, WI 54481	Occupant Mass Group (I, II or III): II
Model: Rogue XP	

Disclosure Information (ISO)

Standard Reference	Measurement	Fixed or minimum value	Maximum value, if relevant	Standard Reference	Measurement	Dim. No.	Fixed or minimum value	Maximum value, if relevant
ISO 7176-5 8.2	Overall length with leg rest (Std or SRC)	920 mm 36.2 in	- mm - in	ISO 7176-1 11	Did anti-tip device prevent chair from tipping over?			Yes
ISO 7176-5 8.2	Overall length with leg rest (MDC/MAC)	- mm - in	- mm - in	ISO 7176-3 7.2	Max Slope Uphill/Downhill	N/A	>8.5°	- °
ISO 7176-5 8.3	Overall width	920 mm 36.2 in	- mm - in	ISO 7176-3 6b	Brake Operating Force	N/A	53 N 11.9 lb	- N - lb
ISO 7176-5 8.4	Handgrip Height (SRC/MDC)	930 mm 36.6 in	- mm - in	ISO 7176-30 5.10	Lever operating force (tilt/recline)	N/A	- N - lb	- N - lb
ISO 7176-5 8.5	Folded Length (SRC/MDC)	800 mm 31.5 in	- mm - in	ISO 7176-30 8	Reclining back adjustment force	N/A	- N - lb	- N - lb
ISO 7176-5 8.6	Folded Width (SRC/MDC)	600 mm 23.6 in	- mm - in	ISO 7176-7 7.3.2	Seat plane angle	(1)	9.4°	- °
ISO 7176-5 8.7	Folded Height (SRC/MDC)	620 mm 24.4 in	- mm - in	ISO 7176-7 7.3.3	Effective seat depth	(2)	455 mm 17.9 in	- mm - in
ISO 7176-5 8.8	Rising	38 mm 1.5 in	- mm - in	ISO 7176-7 7.3.5	Effective seat width	(4)	450 mm 17.7 in	- mm - in
ISO 7176-5 8.9	Total Mass	12 kg 26 lb	- kg - lb	ISO 7176-7 7.3.6	Seat surface height at front	(5)	425 mm 16.7 in	- mm - in
ISO 7176-5 8.10	Mass of the heaviest part	9 kg 20 lb	- kg - lb	ISO 7176-7 7.3.7	Backrest angle	(6)	12.4°	- °
ISO 7176-5 8.13	Turning Radius (SRC/MDC)	1340 mm 52.8 in	- mm - in	ISO 7176-7 7.3.8	Backrest Height	(7)	470 mm 18.5 in	- mm - in
ISO 7176-5 8.15	Required width of angled corridor (SRC/MDC)	1235 mm 48.6 in	- mm - in	ISO 7176-7 7.3.12	Footrest to seat distance	(11)	470 mm 18.5 in	- mm - in
ISO 7176-5 8.16	Required doorway entry depth (SRC/MDC)	- mm - in	- mm - in	ISO 7176-7 7.3.16	Leg to seat surface angle	(15)	95°	- °
ISO 7176-5 8.17	Required corridor width for side opening (SRC/MDC)	- mm - in	- mm - in	ISO 7176-7 7.3.17	Armrest to seat distance	(16)	- mm - in	- mm - in
ISO 7176-1 8	Static stability downhill	>10°	>12°	ISO 7176-7 7.3.18	Front armrest to backrest distance	(17)	- mm - in	- mm - in
ISO 7176-1 9	Static stability uphill	8.9°	>10°	ISO 7176-7 7.3.23	Front location of armrest structure	(22)	- mm - in	- mm - in
ISO 7176-1 10	Static stability sideways	>8.5°	>10°	ISO 7176-7 7.3.24	Handrim diameter	(23)	535 mm 21.0 in	- mm - in
ISO 7176-1 11	Static stability with anti-tips	>11°	- °	ISO 7176-7 7.3.26	Horizontal location of axle	(25)	76 mm 3.0 in	- mm - in

This wheelchair conforms to the following standards:	Yes	No	N/A
a) Requirements & test methods for static, impact and fatigue strengths (ISO 7176-8 and ISO 7176-30 as applicable)	X		
b) Requirements for resistance to ignition in accordance with ISO 7176-16	X		

See General Warnings section of manual for further information on flammability.



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