III. NOTICE - READ BEFORE USE

A. Intended Use

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

B. Indications for Use

The Ki Mobility Ethos 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.

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.

III. NOTICE - READ BEFORE USE

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

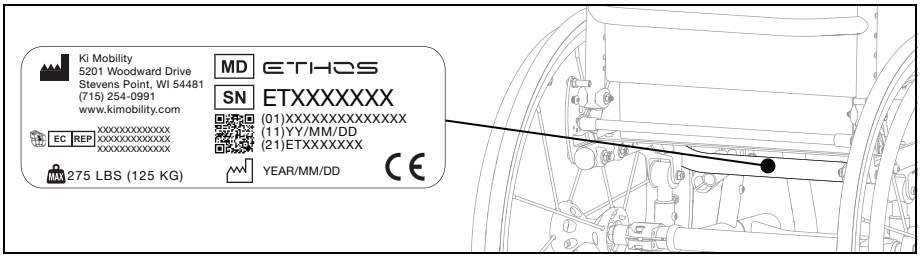
⚠WARNING⚠

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 F. 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.



III. NOTICE - READ BEFORE USE

F. Symbol Glossary

SYMBOL	DEFINITION
	Indicates the medical device manufacturer.
	Date of manufacture (YEAR/MM/DD).
	Indicates the need for the user to consult an instruction for safety reasons such as cautions and warnings. 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.

III. NOTICE - READ BEFORE USE

G. General Warnings and Cautions

⚠ WARNING ⚠

	Standard	Transit
Ethos	275 lb (125 kg)	275 lb (125 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 it's 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.**

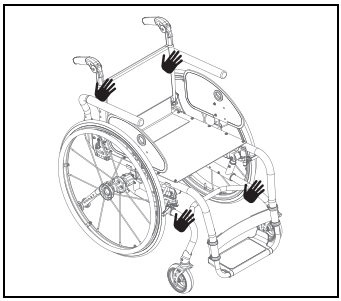
⚠ **Your wheelchair meets ISO 7176-16 for flammability. Resistance to ignition can change with use, aging or cleaning. Precautions should be taken to avoid ignition sources and proximity to flammable materials that can increase ignition such as oxygen and alcohol. Also, be aware that adding components,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

III. NOTICE - READ BEFORE USE

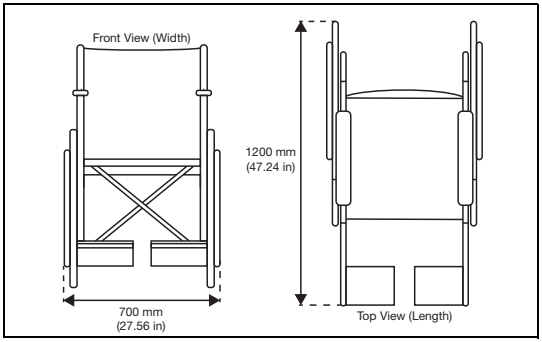
G. General Warnings and Cautions (Continued)

⚠ **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.**

⚠ **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.

III. NOTICE - READ BEFORE USE

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 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.**

III. NOTICE - READ BEFORE USE

I. Riding Your Wheelchair (Continued)

⚠ **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.**

⚠ **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.**

III. NOTICE - READ BEFORE USE

I. Riding Your Wheelchair (Continued)

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, N. 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⚠

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.**

Ki Mobility does not recommend the installation of power drive systems on any Ki Mobility wheelchair. 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.

III. NOTICE - READ BEFORE USE

K. Your Wheelchair and the Environment

⚠CAUTION⚠

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⚠

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⚠

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.**

⚠ **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 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.**

III. NOTICE - READ BEFORE USE

M. Wheelchair Stability (Continued)

⚠WARNING⚠

WARNING: If the wheelchair is equipped with a system to vary the tilt angle of the seat frame, confirm it is stable throughout the range of angle changes before use. If the wheelchair is not stable throughout the range of tilt angles a fall or tip over is imminent. 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, N. 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, N. 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
- Seat depth
- Back angle
- Seat angle
- Size and position of rear wheels
- Size and position of front casters
- Seating system components
- 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⚠

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⚠

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.

      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.

IV. WHEELCHAIR USE & CONFIGURATION

B. Transfers

⚠WARNING⚠

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. Assure 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⚠

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:

IV. WHEELCHAIR USE & CONFIGURATION

C. Transit Use (Continued)

- 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 case 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.
- 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.

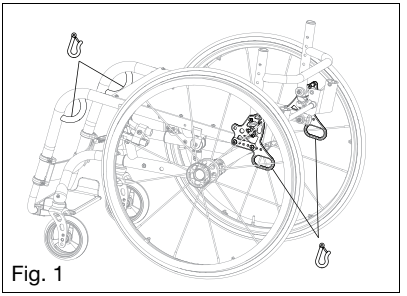
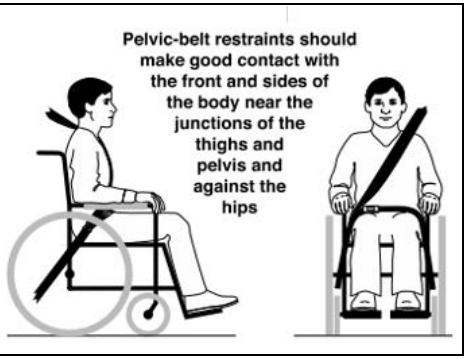


Fig. 1

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

Fig. 2



IV. WHEELCHAIR USE & CONFIGURATION

C. Transit Use (Continued)

⚠ 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.

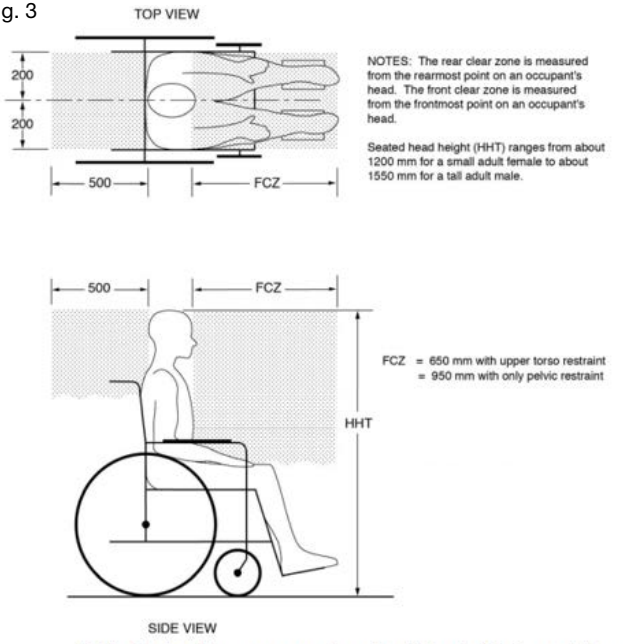
IV. WHEELCHAIR USE & CONFIGURATION

C. Transit Use (Continued)

⚠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.

Fig. 3



NOTE The frontal clear zone may not be achievable for wheelchair-seated drivers.

IV. WHEELCHAIR USE & CONFIGURATION

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.

IV. WHEELCHAIR USE & CONFIGURATION

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.

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.

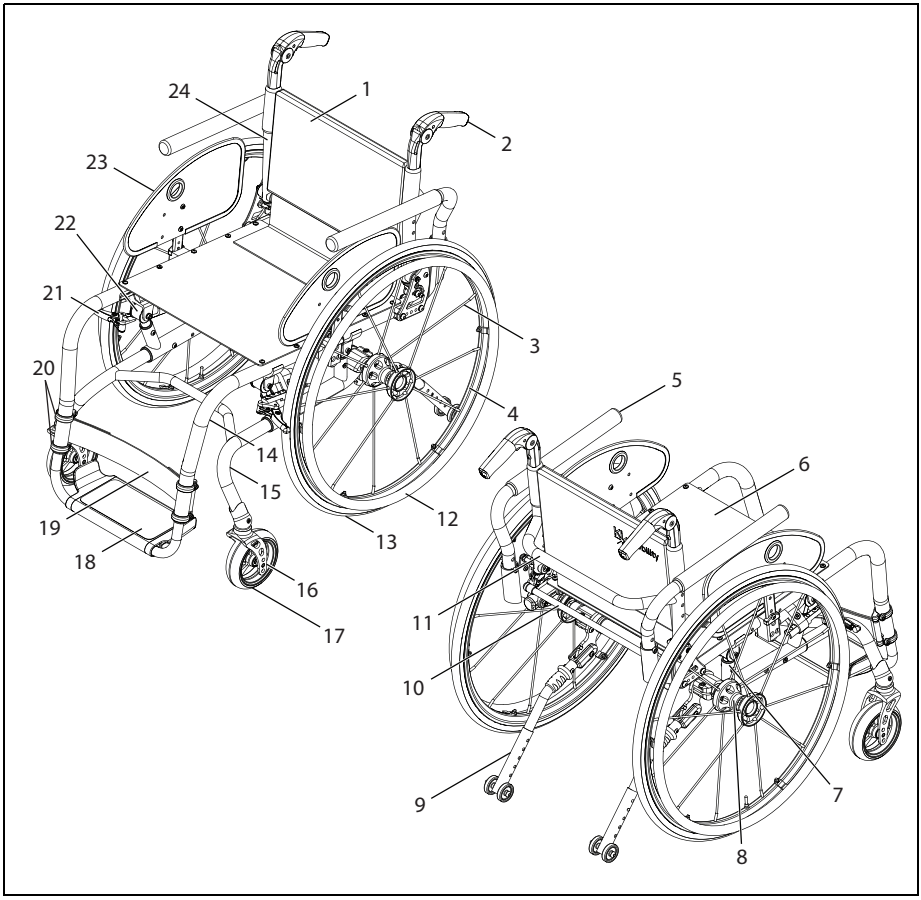
E. Transporting of Unoccupied Wheelchair

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 on how to remove options and accessories to decrease size for stowing.

IV. WHEELCHAIR USE & CONFIGURATION

F. Your Ethos & 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. Backrest Upholstery
2. Push Handle
3. Spoke
4. Wheel Rim
5. Armrest
6. Seat Upholstery
7. ISO Tower
8. Rear Wheel Hub
9. Anti-Tip
10. Release Bar
11. Rigidizer Bar
12. Handrim
13. Wheel
14. Seat Frame
15. Base Frame (Comprised of rear and front base frames)
16. Caster Fork
17. Caster Wheel
18. Footplate
19. Calf Strap
20. Calf Strap Mount
21. Wheel Lock
22. Polymer
23. Side Guard
24. Backrest Tube

IV. WHEELCHAIR USE & CONFIGURATION

G. Height Adjustable T-Arm

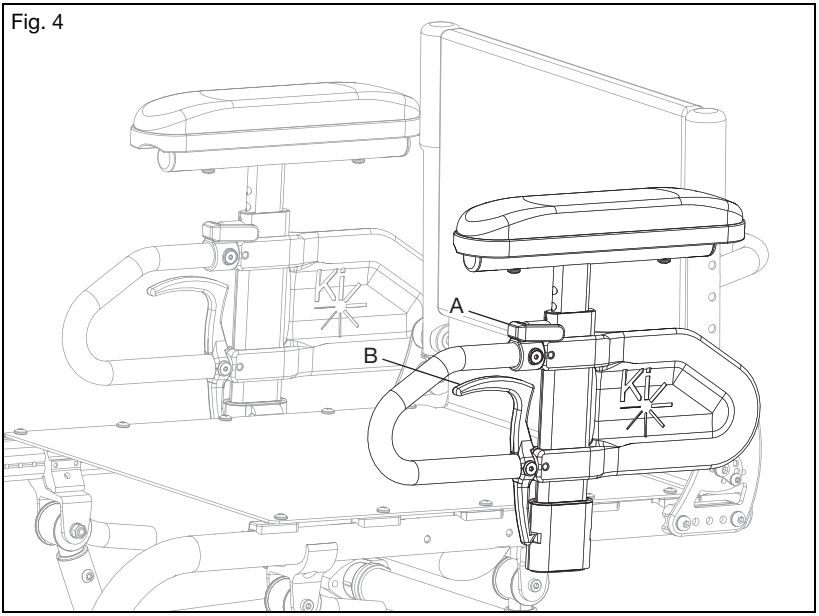
⚠WARNING⚠

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 armpost 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.

Fig. 4



IV. WHEELCHAIR USE & CONFIGURATION

H. Swing Away Armrests

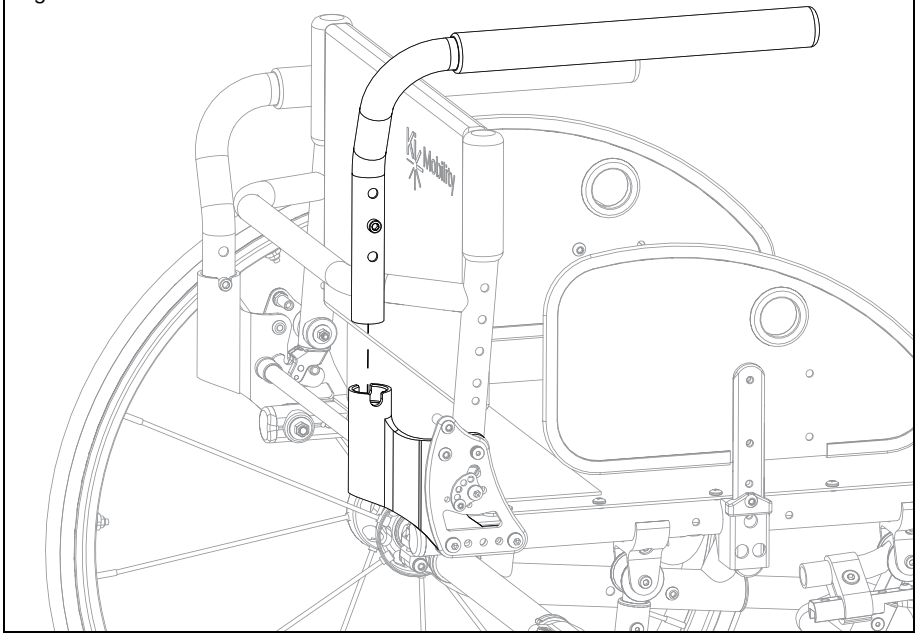
⚠WARNING⚠

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 (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.

Fig. 5



IV. WHEELCHAIR USE & CONFIGURATION

I. Rear Wheels

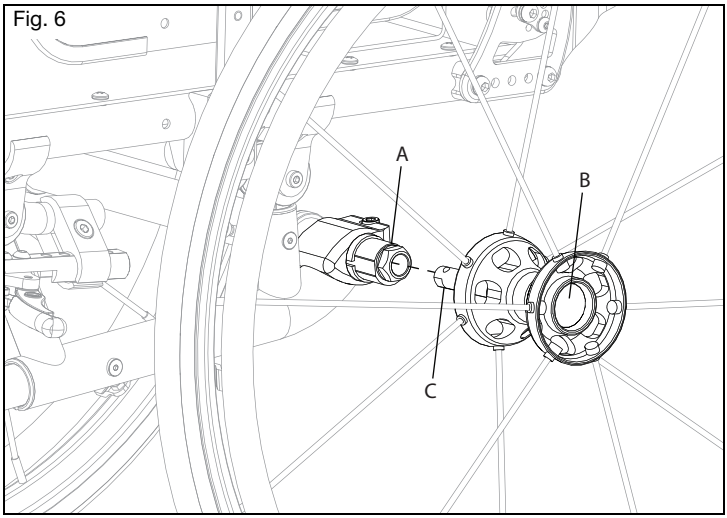
⚠WARNING⚠

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. 6:B) on the axle (Fig. 6:C) 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. 6:A).
   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.

Fig. 6



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.

IV. WHEELCHAIR USE & CONFIGURATION

J. Adjusting the Footrest

How to Change the Height Adjustment 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. 7: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. 7:B).
3. Ensure both sides are adjusted equally and retighten each set screw to 40 in./lbs (4.5 N*m).

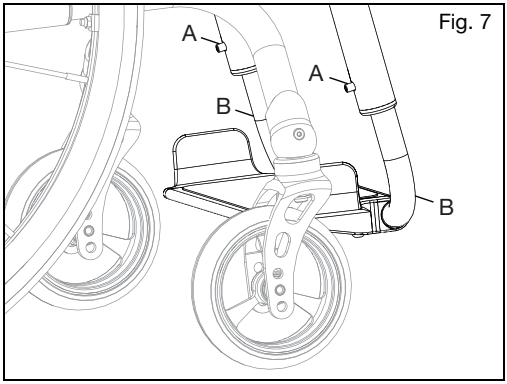


Fig. 7

K. Hybrid Angle Adjustable Footrest

How to Change the Angle Adjustment of Your Footrest

1. Loosen the two screws (Fig. 8: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.

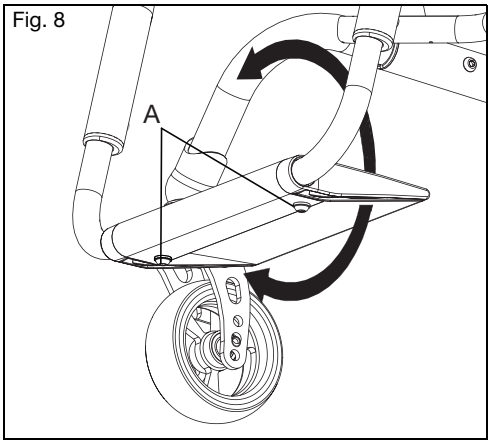


Fig. 8

IV. WHEELCHAIR USE & CONFIGURATION

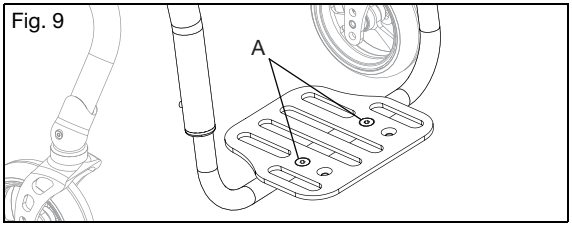
L. Angle Adjustable Footrest

How to Adjust the Angle of the Angle Adjustable Footplate:

1. Use a 4mm Allen wrench to loosen the two screws (Fig. 9: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. 9: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.



M. Wheel Locks

⚠ WARNING ⚠

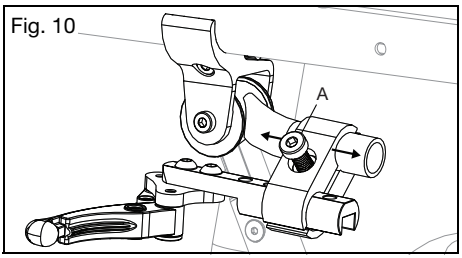
WARNING: Underinflated or worn tires may cause your wheel locks to not function properly. Failure of the wheel locks to hold your chair could cause a loss of control or fall resulting in serious injury or death.

⚠ **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 6mm Allen wrench to loosen the clamp bolt (Fig. 10:A).
2. Adjust the wheel lock assembly forward or backward along the lock mount tube until the wheel lock is in a position where it will properly secure the tire.
3. Use a 6mm Allen wrench to retighten the clamp bolt.



IV. WHEELCHAIR USE & CONFIGURATION

M. Wheel Locks (Continued)

4. Test the new wheel lock positioning on a flat level surface. Once the wheel locks are engaged, the wheels should not slip or move. If the wheel locks are not fitted properly continue to step 5. See Fig. 11.

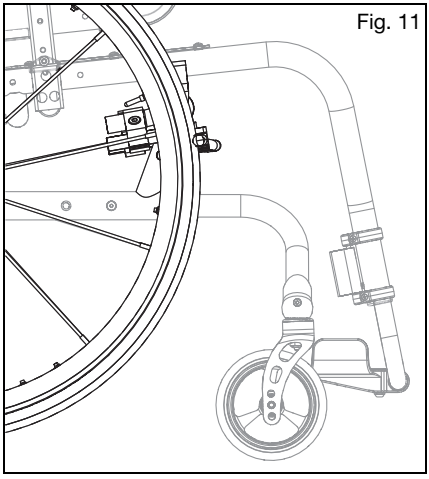


Fig. 11

5. The wheel lock arm can be moved along the different sets of holes on the wheel lock bar for additional adjustability. Use a 4mm Allen wrench to remove the two bolts (Fig. 12:A), then move the bar to the new position and reinstall the bolts. Two of the holes (Fig. 12:B) are shown as dotted lines because their view is obstructed by the clamp.

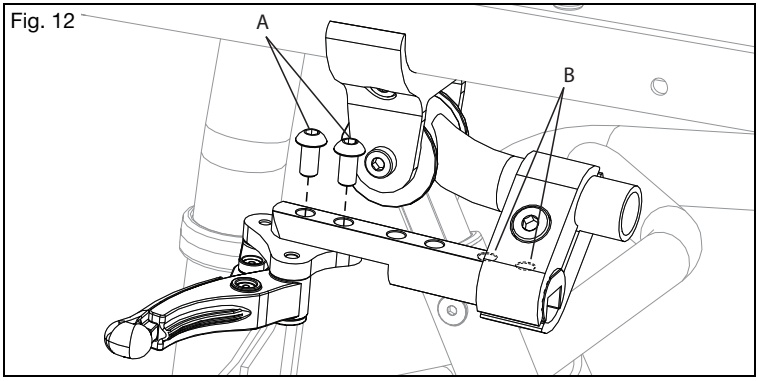


Fig. 12

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.

IV. WHEELCHAIR USE & CONFIGURATION

N. 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.

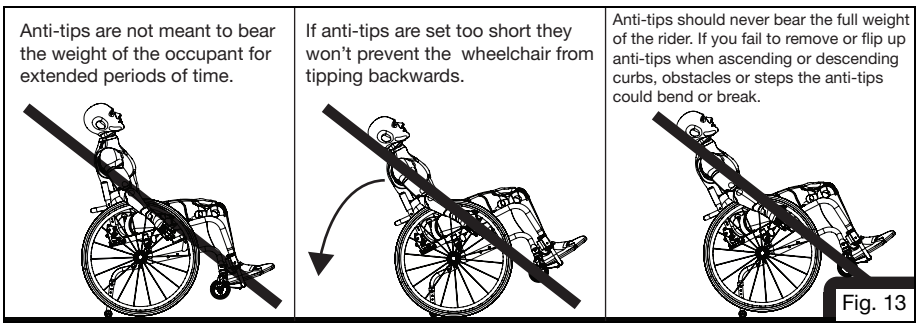


Fig. 13

IV. WHEELCHAIR USE & CONFIGURATION

N. Anti-Tips (Continued)

How to Install the Standard Anti-Tips (Fig. 14)

1. Press the rear anti-tip release pin 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.

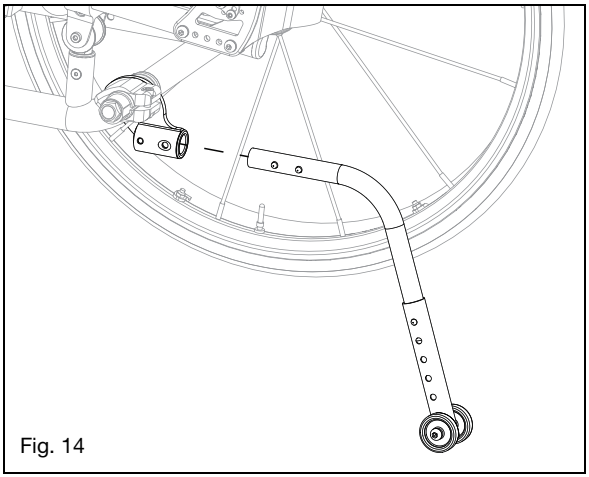


Fig. 14

How to Adjust the Wheel Extension Height (Fig. 15)

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 of the wheels should be at exactly the same height.

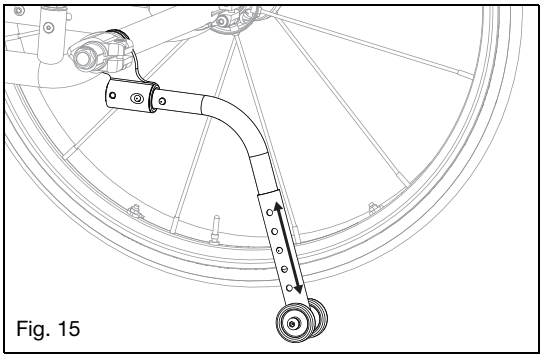


Fig. 15

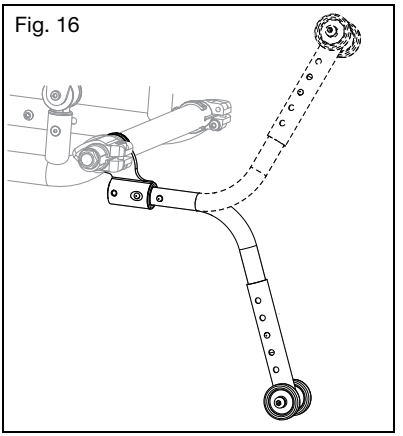
IV. WHEELCHAIR USE & CONFIGURATION

N. Anti-Tips (Continued)

How to Turn the Anti-Tip Tubes Up (Fig. 16)

1. Press the rear anti-tip tube release pin.
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.

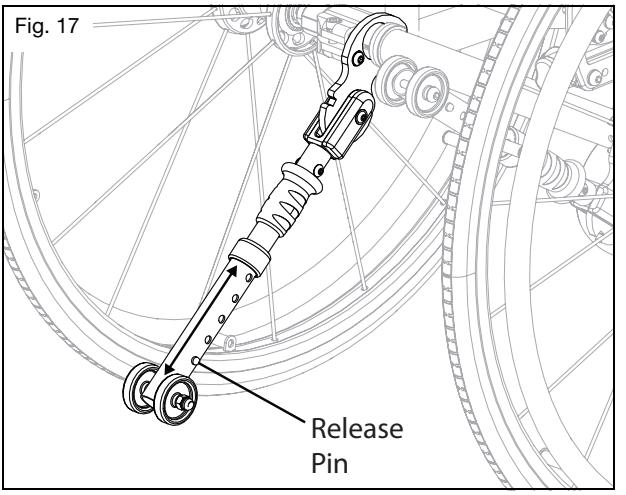
Fig. 16



How to Adjust the Length of the User Activated Anti-Tips (Fig. 17)

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.

Fig. 17



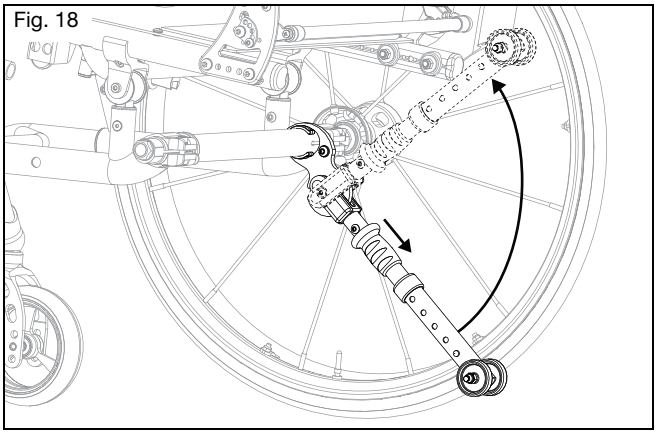
IV. WHEELCHAIR USE & CONFIGURATION

N. Anti-Tips (Continued)

How to Put the User Activated Anti-Tips into the In Use and Up Positions (Fig. 18)

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.

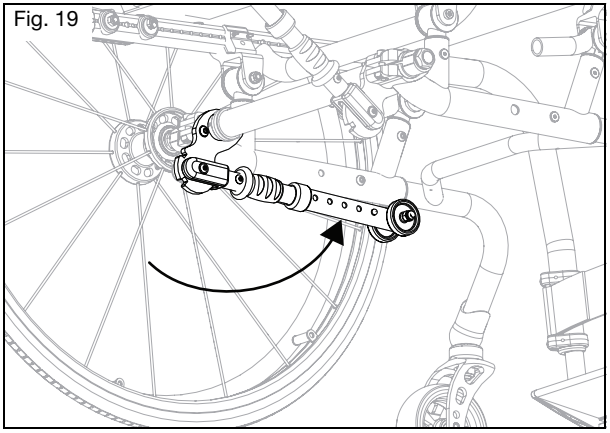
Fig. 18



How to Put the User Activated Anti-Tips into the Transfer Position (Fig. 19)

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.

Fig. 19



IV. WHEELCHAIR USE & CONFIGURATION

O. 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.

P. Contact Surfaces

⚠ WARNING ⚠

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.

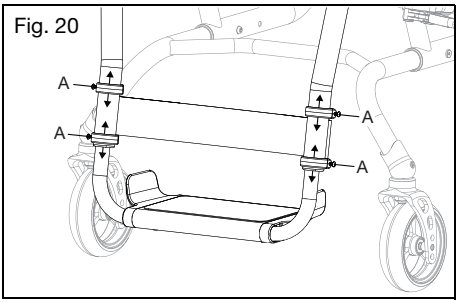
IV. WHEELCHAIR USE & CONFIGURATION

Q. Calf Strap Mount

How to Adjust the Height of the Calf Strap Mount

1. Loosen the four screws (Fig. 20:A) on the calf strap mount with a Philips screwdriver.
2. Move the calf strap mount up or down to the desired height and secure the strap in place by retightening the four screws (Fig. 20:A) with a Philips screwdriver.

Fig. 20



R. Backrest

⚠WARNING⚠

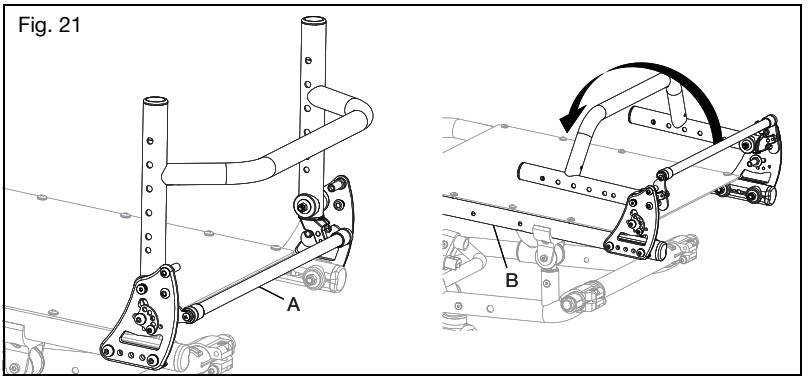
WARNING: Do not lift the wheelchair by the release bar (Fig. 19:A). Lifting the wheelchair by the release bar may cause parts to fail which could cause a fall resulting in serious injury or death.

⚠ **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

1. Lift the back release bar (Fig. 21:A), located behind the back frame, to release the latch and fold downwards towards the seat frame (Fig. 21:B). 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 side frame.
2. Ensure a solid engagement onto the latches by pulling back on the backrest frame into the upright position.

Fig. 21



IV. WHEELCHAIR USE & CONFIGURATION

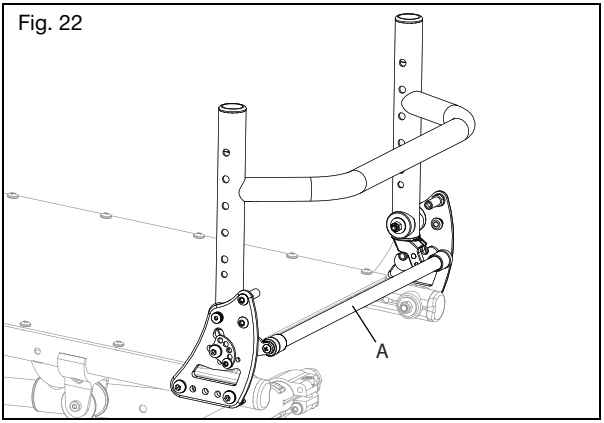
R. Backrest (Continued)

How to Use the Relaxed Position (Fig. 22)

The Ethos backrest will open into an extended position referred to as the "Relaxed Position" which is a 6° difference.

1. Lean forward slightly to take the load off the latching pins and then pull up on the release bar (Fig. 22:A) and lean back into the relaxed position.
2. Lock the back by pulling the back tubes forward until the back locks with a click.

Fig. 22



S. Changing Polymers

Included with your chair are polymers in different densities from what was configured on your chair at the time of order. These have been provided to allow the ride experience to be optimized based on rider preference. For additional information on polymer selection and tailoring your ride experience, please visit the Ethos product page at www.kimobility.com.

Polymers can be changed or reconfigured. A chart is shown below to help guide the you to the correct polymers for your needs. Instructions on how to change the polymers are on the next page.

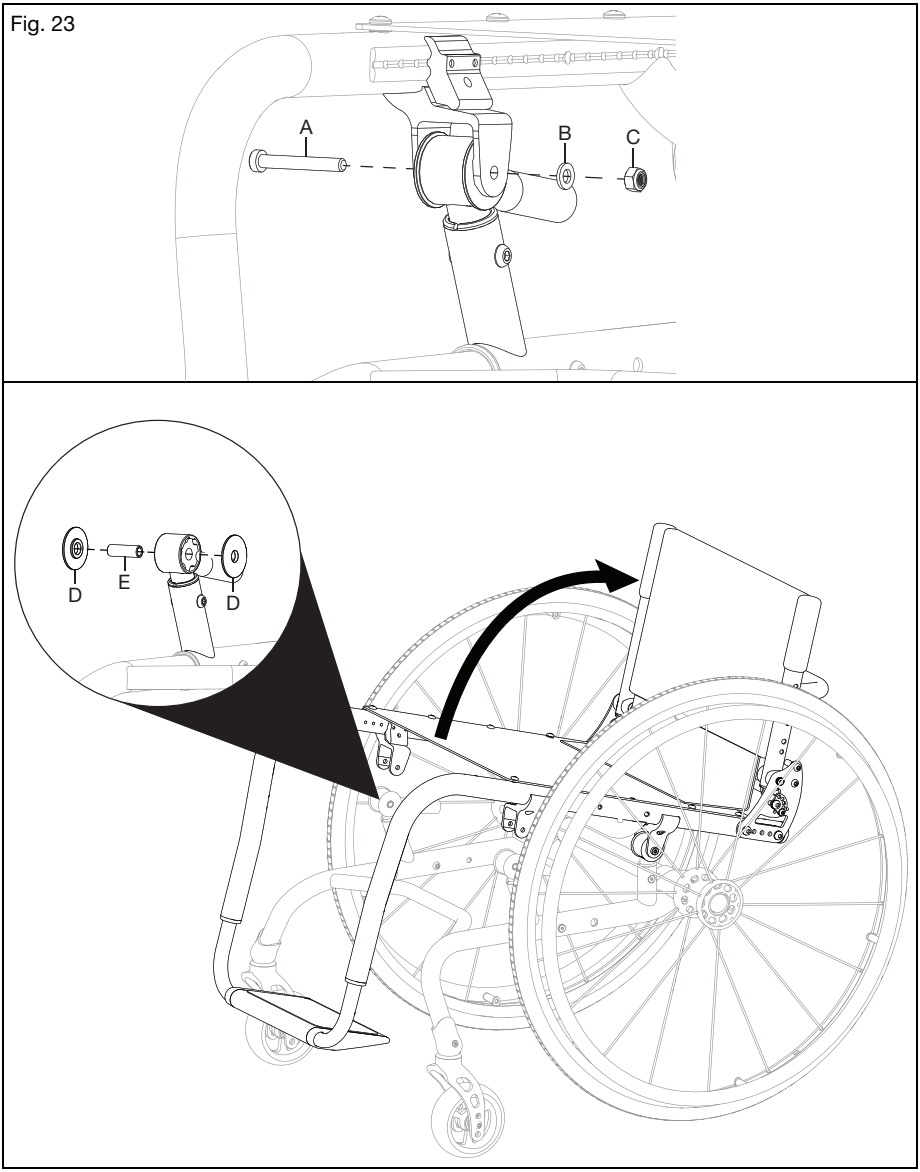
Standard Setup				
User Weight	Center of Gravity			
	-1.5 to 1	1.25 to 2	2.25 to 3	3.25 to 4.25
100-120 lb (45-54 kg)	BLUE	RED	RED	RED
121-165 lb (55-75 kg)	BLACK	BLUE	BLUE	BLUE
166-209 lb (75-95 kg)	BLACK	BLACK	BLACK	BLACK
210-275 lb (95-125 kg)	GREEN	BLACK	BLACK	BLACK
Firm Setup				
User Weight	Center of Gravity			
	-1.5 to 1	1.25 to 2	2.25 to 3	3.25 to 4.25
100-120 lb (45-54 kg)	BLACK	BLUE	BLUE	BLUE
121-165 lb (55-75 kg)	GREEN	BLACK	BLACK	BLACK
166-209 lb (75-95 kg)	GREEN	GREEN	GREEN	GREEN
210-275 lb (95-125 kg)	GREEN	GREEN	GREEN	GREEN

IV. WHEELCHAIR USE & CONFIGURATION

S. Changing Polymers (Continued)

1. Remove the bolt (Fig. 23:A), washer (Fig. 23:B) and nut (Fig. 23:C) from the front ISO tech tower using a 4mm Allen wrench and a 10mm wrench. Repeat on opposite front ISO tech tower. Once the bolt is removed from both front ISO tech towers the seat can hinge backwards on the rear ISO tech towers. The seat frame can now be lifted upwards enough to make room for removal of the ISO strut washers (Fig. 23:D) and the ISO barrel (Fig. 23:E).

Fig. 23



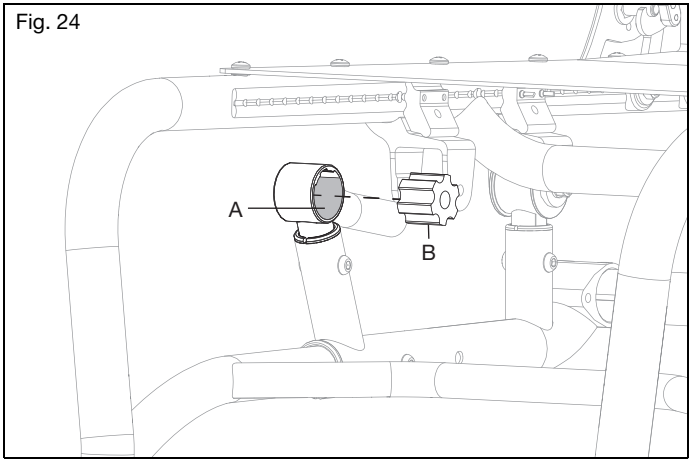
IV. WHEELCHAIR USE & CONFIGURATION

S. Changing Polymers (Continued)

2. Push the polymers (Fig. 24:B) that you are replacing, out of the tower and push in new polymers. Ensure edges of polymer line up with the groove inside the tower. See the chart below to help determine which polymers suit the type of ride you desire, soft or firm, based on the user weight and the chair center of gravity. The polymer part number and color are called out in the chart. See the image below chart for illustration.

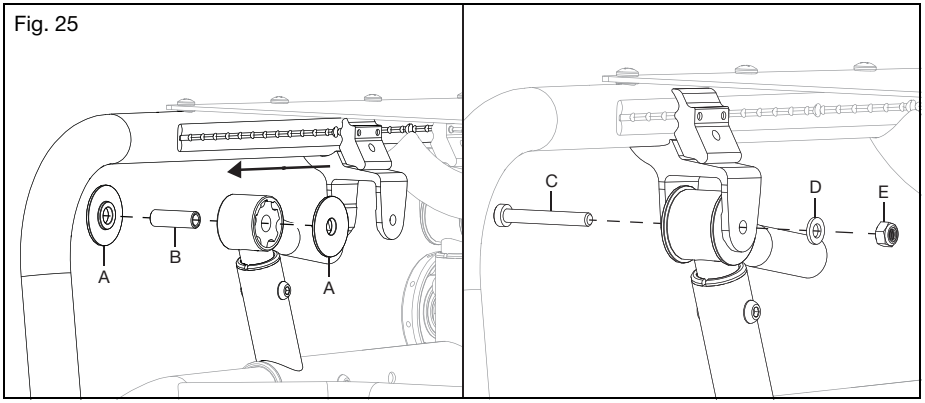
NOTE: There is tape (Fig. 24:A) inside of the tower. The tape covers the inside of the tower opening except for the top section with the polymer alignment notches. Ensure the tape is still in place while installing the new polymer.

Fig. 24



3. Reinstall the two washers (Fig. 25:A) and the insert (Fig. 25:B) and slide the ISO tech tower back over to keep the hardware in place. Reinstall the bolt (Fig. 25:C), washer (Fig. 25:D) and the nut (Fig. 25:E) using a 4mm Allen wrench and a 10mm wrench to secure the ISO tech tower in place. Repeat on the opposite ISO tech tower.

Fig. 25



4. Repeat the steps, if needed, on the rear ISO tech towers.

IV. WHEELCHAIR USE & CONFIGURATION

T. Setting Toe to Zero

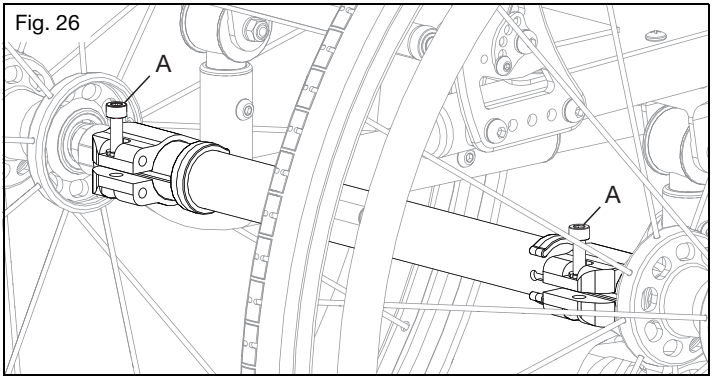
NOTE: A wheelchair equipped with 0° camber plugs cannot have a toe-in toe-out condition. This adjustment is only required when using 2°, 4°, 6° and 8° camber adapters.

Toe refers to how well the rear wheels of the chair are aligned relative to the ground. It affects how well the chair will roll. Drag or rolling resistance is optimally minimized when the wheel toe is set to zero.

How to Set the Toe to Zero

1. Loosen the two bolts (Fig. 26:A) on the camber clamp using a 5mm Allen wrench. If loosened too much, the square nut may fall out.

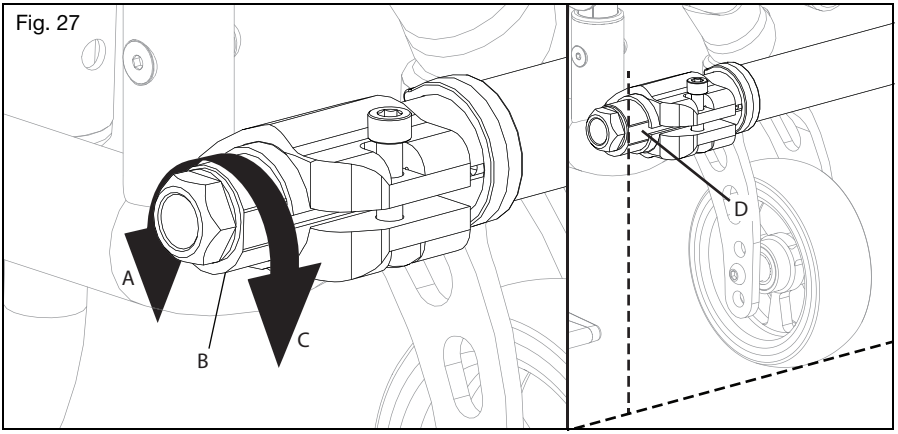
Fig. 26



2. Remove the wheels.
3. Rotate the camber tube (Fig. 27:B). Rotating towards the front of the chair (Fig. 27:A) changes the angle of the wheels in and rotating towards the rear (Fig. 27:C) of the chair changes the angle of the wheels out.

NOTE: The flat sides of the camber tube should be perpendicular to the ground (Fig. 27:D).

Fig. 27



4. Reinstall the wheels. Ensure the camber tube is still set in the same position on the left and right side and retighten the two bolts on the camber clamp.

IV. WHEELCHAIR USE & CONFIGURATION

U. Cane and Crutch Holder

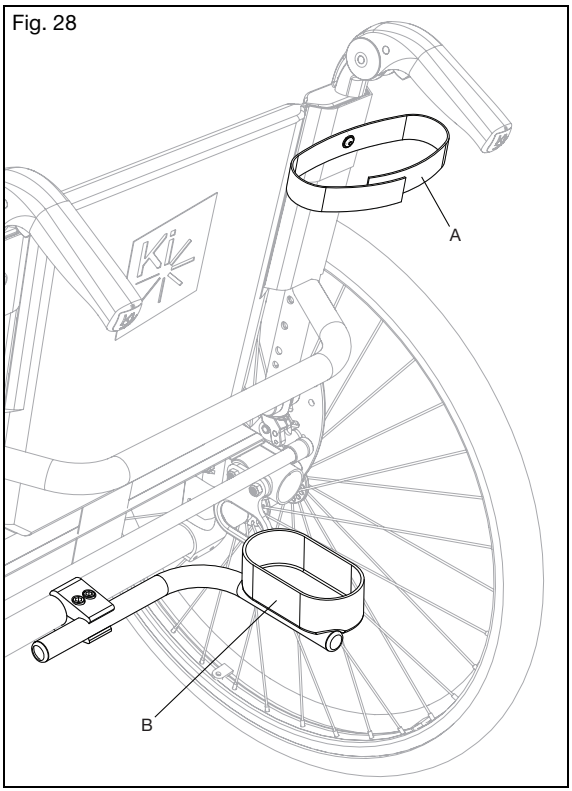
⚠WARNING⚠

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. 28:B).
2. Use the hook and loop fastener (Fig. 28: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.

Fig. 28



V. MAINTENANCE AND CARE

A. Maintenance Table

Regular and routine maintenance will extend the life of your wheelchair while improving its performance. Wheelchair repairs, the replacement of parts and 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 at 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.

⚠CAUTION⚠

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.

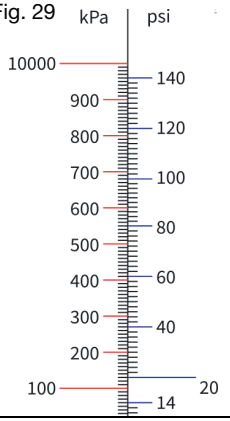
Check	Weekly	Monthly	Annually
Check the tire inflation levels and inflate as needed. The correct inflation levels are found on the tire. (See pressure conversion table below if required - Fig. 29)	✓		
Check wheel lock engagement and disengagement. Tire pressure changes and tire wear will require the 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. In the event of corrosive spills or exposure to biohazards, remove contaminants immediately. See the Cleaning section in this manual for instructions.	✓		
Check the rear tires, anti-tip wheels and the caster wheels for wear spots or damage. Replace immediately if needed.	✓		
Check handrims to ensure they are secure and 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 frame(s) and anti-tips for deformities, defects, cracks, dimples or bends. These could be signs of fatigue in the wheelchair which could result in a failure. Discontinue use of the wheelchair immediately and contact an authorized supplier.		✓	
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.		✓	
Check wheels for any loose, broke or bent spokes. Replace immediately if needed.		✓	
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.		✓	
Have the wheelchair checked and adjusted by a qualified technician at your authorized supplier.			✓

V. MAINTENANCE AND CARE

A. Maintenance Table (Continued)

Pressure Conversion Table

Fig. 29



PSI	kPa
20	138
30	207
40	276
50	345
60	414
70	483
80	552
90	621
100	689
110	758
120	827
130	896
140	965
150	1034

B. Cleaning

⚠CAUTION⚠

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.
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.

V. MAINTENANCE AND CARE

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

			Symptoms						
			Chair pulls to one side	Looseness in chair	Difficulty turning	Caster Float	Caster Flutter	Squeaking, clicking or rattling	Wobbling
Solutions	A	Ensure all tire pressures are correct and equal.	X		X	X			X
	A	Check to make sure all fasteners are tightened appropriately, tighten if necessary.	X	X	X	X	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		X		X		
	B	Optimize CG setting.			X		X		
	A	Check for interference at rear wheel and front casters.	X		X			X	X
	A	Lubricate w/Teflon based lubricant between frame connections and mating parts in suspect areas.						X	
	A	Remove caster/bearing debris.	X		X		X		X

VII. WARRANTY

Ki Mobility warrants the frame, polymers 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

1. We do not warrant:
   a. Wear items: Upholstery, tires, armrest pads, tubes, armrests and push-handle grips.
   b. Damage resulting from neglect, misuse or from improper installation or repair.
   c. Damage from exceeding weight limit.
2. This warranty is VOID if the original chair serial number tag is removed or altered.
3. This warranty is VOID if the original chair has been modified from its original condition and it is determined the modification resulted in failure.
4. 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

a. 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.

b. Have the supplier send the authorized return, freight pre-paid, to:

Ki Mobility
5201 Woodward Drive
Stevens Point, WI 54481

c. Pay any charges for labor to repair or install parts.

VIII. SPECIFICATION SHEET - ETHOS

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: Ethos	

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)	880 mm 34.6 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	>7.5°	- °
ISO 7176-5 8.3	Overall width	680 mm 26.8 in	- mm - in	ISO 7176-3 6b	Brake Operating Force	N/A	60 N 13.5 lb	- N - lb
ISO 7176-5 8.4	Handgrip Height (SRC/MDC)	1000 mm 39.4 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)	910 mm 35.8 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)	6.7°	- °
ISO 7176-5 8.7	Folded Height (SRC/MDC)	570 mm 22.4 in	- mm - in	ISO 7176-7 7.3.3	Effective seat depth	(2)	440 mm 17.3 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)	430 mm 16.9 in	- mm - in
ISO 7176-5 8.9	Total Mass	15 kg 33 lb	- kg - lb	ISO 7176-7 7.3.6	Seat surface height at front	(5)	523 mm 20.6 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)	21.4°	- °
ISO 7176-5 8.13	Turning Radius (SRC/MDC)	940 mm 37.0 in	- mm - in	ISO 7176-7 7.3.8	Backrest Height	(7)	495 mm 19.5 in	- mm - in
ISO 7176-5 8.15	Required width of angled corridor (SRC/MDC)	990 mm 39.0 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)	96.7°	- °
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)	170 mm 6.7 in	- mm - in
ISO 7176-1 8	Static stability downhill	>10°	- °	ISO 7176-7 7.3.18	Front armrest to backrest distance	(17)	255 mm 10.0 in	- mm - in
ISO 7176-1 9	Static stability uphill	>10°	- °	ISO 7176-7 7.3.23	Front location of armrest structure	(22)	- mm - in	- mm - in
ISO 7176-1 10	Static stability sideways	>10°	- °	ISO 7176-7 7.3.24	Handrim diameter	(23)	535 mm 21.1 in	- mm - in
ISO 7176-1 11	Static stability with anti-tips	>10°	- °	ISO 7176-7 7.3.26	Horizontal location of axle	(25)	90 mm 3.5 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.