



# EXCEL RECLINER Reclining Wheelchair

## Owner's Operator & Maintenance Manual



**DEALER:** This manual must be given to the user of the wheelchair.

**USER:** Please read this manual before using the wheelchair for warnings, maintenance and safe usage instructions of this wheelchair.

***Congratulations on your selection of the  
Medline Recliner Wheelchair.  
Medline wheelchairs are the result of extensive engineering  
and are manufactured to meet our rigid specifications  
and to surpass your expectations.***

***Medline wheelchairs are designed to combine comfort, safety  
and reliability. Medline Industries, Inc. is committed to the  
quality of our products and to the satisfaction of our customers.***

**Typical Product Specifications for the EXCEL RECLINER Wheelchair:**

Weight	44 lbs without leg riggings, 52 lbs with leg riggings
Weight Capacity	16" chair: 300lbs      18" & 20" chair: 350lbs
Seat Width	16", 18", 20"
Seat Depth	17"
Seat Height	19" standard, 17" hemi height
Back & Head Height	Full 22" back with a 10" removable headrest
Recline Range	From 90° to 160°
Axle	Dual Hemi Height Adjustable (except 20")
Armrests	Removable desk length, removable full length
Footrests	Swing-away detachable
Legrests	Standard, elevating
Wheels	Solid urethane
Wheel locks	Patient operated
HCPCS Code	K0003
Warranty on Frame & Crossbar	Limited Lifetime
Warranty on Upholstery Parts & Components	One year

**Reorder Numbers:**

MDS808350	16" Reclining wheelchair, removable desk-length arms, swing away elevating legrests, anti-tippers (includes dual axle)
MDS808450	18" Reclining wheelchair, removable desk-length arms, swing away elevating legrests, anti-tippers (includes dual axle)
MDS808550	20" Reclining wheelchair, removable desk-length arms, swing away elevating legrests, anti-tippers (no dual axle on this model)
COLOR: BLACK	



## WARNING

**TO ENSURE YOUR SAFETY IN USING THIS MEDLINE WHEELCHAIR, ALL WARNINGS AND SAFETY INFORMATION AND ALL INSTRUCTIONS MUST BE FOLLOWED. FAILURE TO DO SO MAY RESULT IN SERIOUS BODILY INJURY OR DAMAGE TO THE WHEELCHAIR.**

**DO NOT USE THIS PRODUCT WITHOUT FIRST READING AND UNDERSTANDING THE INSTRUCTIONS CONTAINED IN THIS BOOKLET. IF YOU ARE UNABLE TO UNDERSTAND THE WARNINGS, CAUTIONS OR INSTRUCTIONS, CONTACT A HEALTHCARE PROFESSIONAL, DURABLE MEDICAL DEALER OR TECHNICAL PERSONNEL, OR CONTACT MEDLINE AT 1-800-MEDLINE BEFORE USE - OTHERWISE SERIOUS BODILY INJURY OR PRODUCT DAMAGE MAY OCCUR.**

**A QUALIFIED WHEELCHAIR TECHNICIAN MUST PERFORM ANY REPAIR OR CHANGE TO THIS WHEELCHAIR OR SERIOUS INJURY MAY OCCUR. TECHNICIANS: DO NOT SERVICE THE WHEELCHAIR WITHOUT FIRST READING AND UNDERSTANDING THIS OWNER'S MANUAL. IF YOU ARE UNABLE TO UNDERSTAND THE WARNINGS, CAUTIONS OR INSTRUCTIONS, CONTACT MEDLINE AT 1-800-MEDLINE.**

**DO NOT USE ACCESSORIES, PARTS, OR ADAPTERS OTHER THAN THOSE AUTHORIZED BY MEDLINE.**

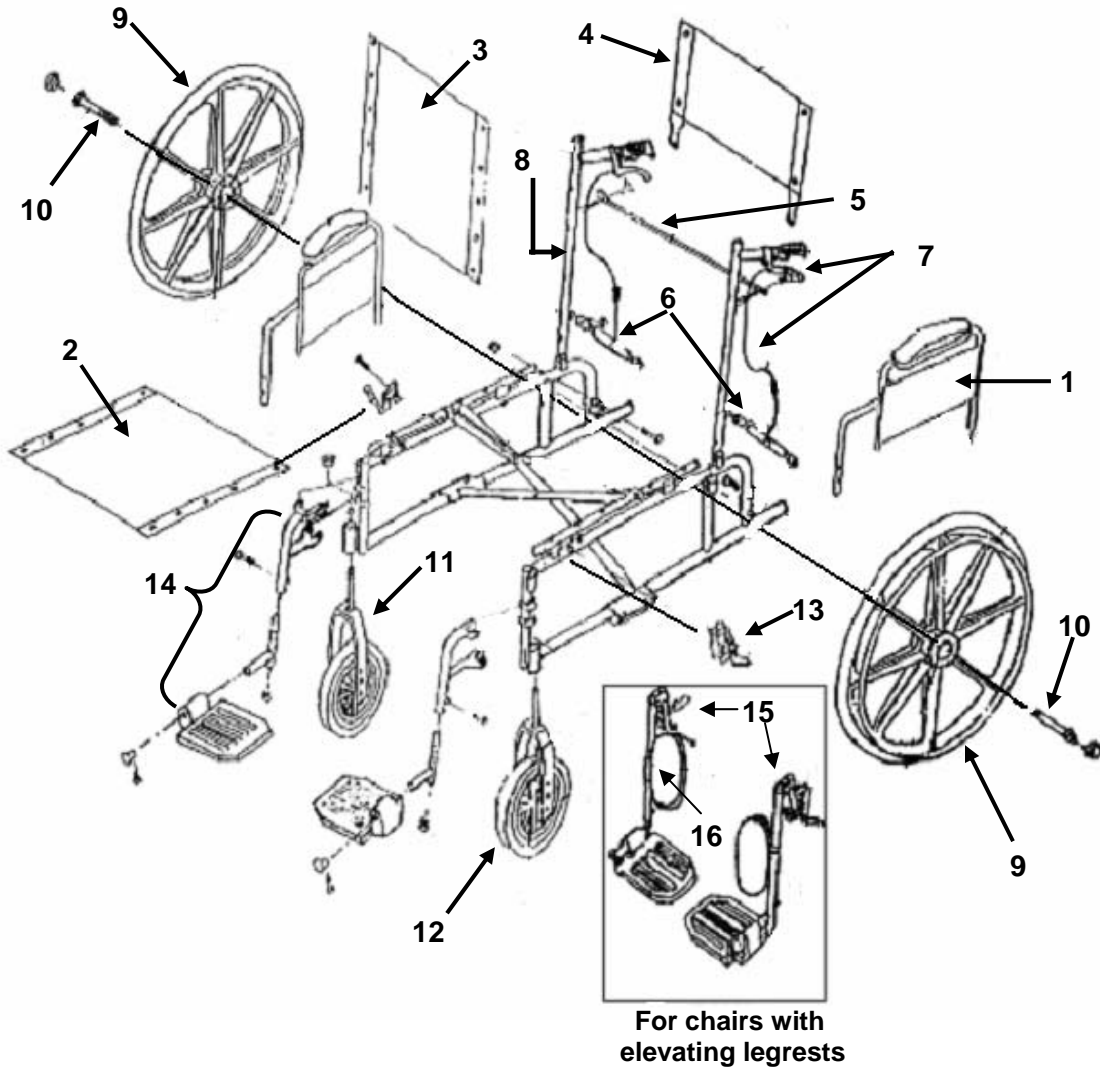
**CONSULT WITH YOUR DOCTOR, PHYSICAL OR OCCUPATIONAL THERAPIST, OR OTHER QUALIFIED PROFESSIONAL REGARDING THE SELECTION OF THE TYPE OF WHEELCHAIR AND ACCESSORIES BEST SUITED TO YOUR INDIVIDUAL NEEDS AND CAPABILITIES.**

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## BASIC WHEELCHAIR TERMINOLOGY



1. Armrest assembly, desk length	9. Rear wheel assembly
2. Seat Upholstery	10. Axle, rear wheel
3. Back Upholstery	11. Front fork
4. Headrest assembly	12. Front caster
5. Stabilizing bar	13. Wheel lock assembly
6. Reclining system	14. Footrest assembly
7. Cable & release for reclining system	15. Elevating legrest assembly
8. Back canes	16. Calf pad

## WARNINGS & SAFETY INSTRUCTIONS



### *General Information*

**DO NOT** use this product without first reading and understanding the instructions contained in this booklet. If you are unable to understand the Warnings, Cautions or Instructions, contact a healthcare professional, durable medical equipment dealer or technical personnel, or contact Medline at 1-800-Medline before use - otherwise serious bodily injury or product damage may occur.

**DO NOT** use the wheelchair in a vehicle for transport. This wheelchair has not been approved as a seat surface to be used within a vehicle of any kind. Always transfer the wheelchair user to an approved vehicle seat and use restraints available from the auto industry for this application.

**DO NOT** exceed the weight capacity of the wheelchair: 16" chair: 300lbs, 18" & 20" chairs: 350lbs. The weight capacity includes the weight of the rider plus items carried or attached to the wheelchair.

**DO NOT** use the wheelchair while weight training. Medline wheelchairs have not been tested for any type of weight training. If the chair is used during weight training, Medline will not be held liable. If the weight capacity is exceeded, risk of fall, tip-over or loss of control may occur which can result in bodily injury or product damage.

A seat restraint / positioning strap (optional accessory) is recommended to maximize stability and safety.



### *Environmental*

Your chair is designed for use on firm, even surfaces such as concrete, asphalt, and indoor floors and carpeting.

**DO NOT** operate the wheelchair on streets or roadways.

**DO NOT** operate the wheelchair on loose, slippery, or uneven surfaces such as sand, gravel, hills, dirt roads, or ice.

**DO NOT** operate the wheelchair on inclines greater than 10% (6 degrees) without assistance.

**DO NOT** attempt to go up or down inclines that are covered with oil, water, ice or any other potentially slippery substance.

**DO NOT** attempt to ride over curbs or obstacles. Doing so may cause your wheelchair to tip over and cause bodily harm to you or damage to the wheelchair.

**DO NOT** use the wheelchair on stairs or escalators.

## WARNINGS & SAFETY INSTRUCTIONS



### *General Use*

**DO NOT** stand on the frame of the wheelchair.

**DO NOT** stand on or put pressure on the footrests. When getting in or out of the wheelchair, make sure the footplates are in the up position.

**DO NOT** attempt to lift the wheelchair by any detachable components.

Always make sure to completely open the wheelchair before sitting in the wheelchair. Confirm that the seat tubes (frame rails) are completely resting in the seat cradles.

**WARNING:** There is a potential finger pinch point between the seat frame rails and the seat cradles. **DO NOT** place your hand or fingers between the seat frame rails and the seat cradles when opening or closing the wheelchair. **ALWAYS** keep hands and fingers away from moving parts. **DO NOT** sit in the wheelchair until it is completely open and the seat frame rails are firmly seated in the seat cradles. Risk of injury may occur if care is not taken.

**DO NOT** use the wheelchair without the stabilizer bar securely locked in place.

The wheelchair should be on a stable, level surface with both wheel locks engaged before transferring the user to or from the wheelchair.

Completely engage **BOTH** wheel locks:

- when entering and leaving the wheelchair
- when using the wheelchair in an elevator or a wheelchair lift
- before reclining / inclining the occupant of the wheelchair

**DO NOT** transfer in or out of the wheelchair on your own unless you have sufficient upper body strength, balance and agility and have been instructed in transfer techniques by a health professional. Every precaution should be taken to reduce the gap distance between the wheelchair and the target seat or bed. Turn both casters parallel to the object you are transferring onto. Ensure the seat back is in the upright position.

**WARNING:** **DO NOT** use the Excel Recliner Wheelchair without the anti-tip devices installed. Anti-tippers **MUST** be attached at all times and both adjusted to the same height. Ensure the anti-tippers are secure as evidenced by the spring buttons fully protruding out of the holes. If the seat-to-floor height is changed, the height of the anti-tippers must also be adjusted.

Make sure the stabilizer bar is securely attached **BEFORE** using the wheelchair.

Make sure the occupant is properly positioned before the wheelchair is reclined or inclined.

## WARNINGS & SAFETY INSTRUCTIONS



### *General Use*

Make sure both back canes are at the same angle **BEFORE** releasing the handles of the recline mechanism.

Caregivers **MUST** be prepared to support the weight of the occupant when reclining or returning the wheelchair occupant to the full upright position. Use proper body mechanics when inclining (lifting) the back of the chair.

The Excel Recliner wheelchair **MUST** be operated by a healthcare professional or assistant when in **ANY** reclined position.

**DO NOT** use the wheel locks to stop the wheelchair from moving. Wheel locks are not brakes. **DO NOT** use the wheel locks to slow your descent down an incline.

**ALWAYS** use the handrims – **DO NOT** grip the rear wheels themselves.

Changing direction when going down an incline could cause instability.

**DO NOT** lean forward out of the wheelchair any farther than the length of the armrests.

**DO NOT** attempt to reach for objects if doing so means you must move forward in the seat.

**DO NOT** attempt to reach objects if you have to pick them up from the floor by reaching down between your knees.

**DO NOT** shift your weight or sitting position toward the direction you are reaching as the wheelchair may tip over.

**DO NOT** attempt to lean over the top of the back upholstery to reach objects.

Before leaning or reaching forward, make sure to rotate the casters straight ahead toward the front of the wheelchair. This can be achieved by advancing the wheelchair and then reversing it in a straight line. Be sure to engage both wheel locks to prevent the wheelchair from tipping over or moving.

**DO NOT** tip the wheelchair without assistance. **DO NOT** lean the wheelchair back since this can cause the wheelchair to tip over. If trying to reach objects, reach back only as far as your arm will extend without altering your seating position.

Any person assisting the rider in maneuvering or lifting of the wheelchair must have sufficient strength and be able to see obstacles in the path of travel. When learning a new assistance technique, have an experienced assistant help you before attempting it alone. Remember to use good body mechanics.



## WARNINGS & SAFETY INSTRUCTIONS



### *General Care*

Contact with water or excess moisture may cause the wheelchair to rust or corrode. **DO NOT** use the chair in a shower, pool or other body of water. Avoid excess moisture (example: do not leave the chair in a damp bathroom while taking a shower).

Dry the chair immediately if exposed to moisture.

When cleaning the hand grips, use only a clean towel lightly dampened with cool water. Ensure the hand grips are dry before use. Use of soap or ammonia based cleaning solutions may result in the hand grips sliding off.

If the wheelchair is exposed to extreme temperatures, high humidity, and/or becomes wet, check the handgrips to ensure they are not loose and do not twist on the handle.

Avoid storing or using the wheelchair near open flames or combustible products.



### **Adjustments**

**DO NOT** operate, maintain, or adjust the wheelchair without reading and understanding all instructions in the manual.

**DO NOT** adjust the footrests any closer than 2 ½ inches from the floor.

**DO NOT** modify the wheelchair. Examples: drilling holes, grinding, welding parts, using non-authorized / non-approved parts. Such modifications may change the chair's structure and center of balance which may increase the risk of serious injury to the user and void the warranty.



### **Before EACH Use**

- ✓ Make sure the chair rolls easily and that all parts work smoothly.
- ✓ Check for noise, vibration, or any change in use. They may indicate loose parts or wheelchair damage.
- ✓ Check to ensure the seat back reclines / inclines smoothly and locks in place when the cables are released.
- ✓ Check to ensure wheel locks are in good working order.
- ✓ Make sure hand grips are not loose and cannot be moved or twisted.
- ✓ Have any problem found repaired promptly with authorized parts.

## **GUIDELINES: SAFETY & HANDLING OF WHEELCHAIRS**

### **Center of Gravity, Balance and Stability**

Your wheelchair has been designed to be safe and stable during normal daily activity as long as proper balance is maintained. The point at which a wheelchair will tip forward, backward, or to the side depends on its center of balance. To assure stability and proper operation of your wheelchair, you must maintain your center of gravity in the chair. Center of gravity is the point at which all the weight of an object can be considered to be concentrated and represents the balance point.

Most daily activities such as transferring in and out of the wheelchair, bending, and reaching affect the center of gravity and weight distribution of the wheelchair.

Addition of accessories such as a backpack will also re-distribute weight.

(Backpacks should **not** remain attached when the wheelchair is reclined.) Loss of proper balance may cause you to tip over. Use of a seat restraint / positioning belt may help maintain stability by minimizing movement within the wheelchair seat.

Reclining the wheelchair will alter the center of gravity. Anti-tip devices **MUST ALWAYS** be in place.

To determine your particular safety limits, it is recommended that you practice daily activities such as transferring, bending, and reaching with a healthcare professional that is knowledgeable about wheelchair use. It is important to learn the characteristics of your wheelchair and to incorporate safe methods of use for the activities of your lifestyle. This should be done **BEFORE** independent use of the wheelchair occurs.

To assure safe operation of the wheelchair, **ALL** of the Warnings and Instructions in this manual must be followed. Failure to do so may result in tipping the wheel chair over or causing the user to fall which may result in serious bodily injury or damage to the wheelchair.

Some **basic** wheelchair safety guidelines follow. Important note: **All basic wheelchair safety information pertains to activity with the back of the chair locked in the fully upright position only.** It is very important that you work with your healthcare professional to establish mobility techniques that are safe, are within your capabilities, and address your individual daily activities and environment.

### **Reaching / Leaning / Bending – FORWARD or SIDEWAYS**

- Position the wheelchair as close as possible to the object.
- Make sure the front casters are pointing in a forward position. This extends the wheel base and will help stabilize the chair.
- Make sure the wheel locks are engaged before activity.
- **DO NOT** attempt to reach for objects if doing so means you must move forward in the seat.
- **DO NOT** shift your weight or seat position toward the direction you are reaching.
- **DO NOT** attempt to reach objects if you have to pick them up from the floor by reaching down between your knees.

## **GUIDELINES: SAFETY & HANDLING OF WHEELCHAIRS**

### **Reaching / Leaning – BACKWARD**

- Position the wheelchair as close as possible to the object.
- Make sure the front casters are pointing in a forward position. This extends the wheel base and will help stabilize the chair.
- DO NOT engage the wheel locks – if your weight shifts while reaching backwards it is better for the wheelchair to roll than to tip.
- DO NOT lean back over the top of the back upholstery.
- Reach back only as far as your arm will extend without changing your position in the seat.

### **Transferring into and out of the wheelchair**

Transferring to and from the wheelchair is a significant task that requires balance, agility and upper body strength. Practice with your healthcare provider before attempting transfers. If possible, always use a transfer board and have assistance available. Remember that during every transfer, there is always a point where a seat is not beneath you.



- Make sure the seat back is in the upright position and the stabilizer bar is secured in place.
- Position the wheelchair as close as possible to the seat or bed you are transferring to. Use a transfer board whenever possible.
- Position both casters parallel to the seat you are transferring to.
- Make sure both wheel locks are engaged.
- Remove the armrest and footrest that are in the transfer path.
- DO NOT put weight on the foot rests.
- Transfer as far back into the seat or onto the bed as possible.

## **GUIDELINES: SAFETY & HANDLING OF WHEELCHAIRS**

### **Ramps / Inclines**

Know your own capabilities and limitations in terms of strength and endurance before attempting to go up or down a ramp. Slopes will change your center of gravity. **DO NOT** attempt to negotiate steep inclines greater than 10% (6 degrees or one foot of rise or fall for every ten feet of ramp length) without assistance. Use of anti-tip devices are encouraged, however, they may not prevent a tip-over. Sometimes anti-tip devices may catch at the beginning of a ramp. If this occurs, they will need to be disengaged and extra care should be taken. Backpacks or other gear on the back of the wheelchair will cause you to tip backward more easily. Practice negotiating ramps with your healthcare professional before attempting them on your own. If possible, have an assistant available.

- Go as straight up or down the incline as possible.
- Check the ramp for any obstacles, bumps, depressions, or wetness before beginning. Ask for assistance if necessary.
- Stay in the center of the ramp if possible.
- Avoid changing direction as this may cause loss of control of the wheelchair.
- Avoid stopping on a ramp. Stopping may cause loss of control of the wheelchair. If stopping is necessary, avoid sudden, abrupt forward movement when you resume propelling the chair as that could cause instability.
- When going up an incline, lean forward. This will adjust your center of gravity to counteract the tendency of your wheelchair to tip backward.
- When going down a ramp, face forward and lean backward into the seat. Descent should always be done slowly. Use the handrims to slow your descent. **DO NOT** use wheel locks as brakes to slow down or stop. Attempting to use the wheel locks could result in accidental locking, veering or tipping to one side, or suddenly stopping.
- If the ramp has handrails, you can use them to help propel yourself up the ramp. Pull yourself up the ramp by pushing on one wheel handrim while pulling on the handrail. If two rails are available, you can use both to pull yourself up the ramp.
- If an assistant is wheeling you down a steep incline, go down backwards to avoid tipping out of the chair.

### **Obstacles**

Obstacles such as floor threshold strips, uneven floors, cords or items on the floor, or cracks in pavements can damage your wheelchair and may cause loss of control or a tip over. Be alert! Scan your path and avoid any items that may cause instability.

### **Curbs, Steps and Stairs**

Do not attempt to negotiate curbs or single steps without assistance! Ask your healthcare worker to provide instructions to you and your assistant regarding safe wheelchair use for curbs, steps and stairs.

## **GUIDELINES: SAFETY & HANDLING OF WHEELCHAIRS**

### **Basic Information for Wheelchair User Assistants**

Work with the wheelchair user's healthcare professional to learn safe ways to assist that are within your capability and comfort level. Always tell the rider what you intend to do so he/she is ready for your actions and can assist with maintaining a balanced center of gravity for stability.

To prevent injury to yourself, always maintain good body mechanics:

- Always ask the wheel chair rider if they would like assistance.
- Always tell the rider what you are going to do.
- Bend at the knees, not at the waist. Keep knees bent, not locked straight.
- Use legs for strength, not the weaker muscles of the back or arms. This will help prevent back strain.
- Do not twist at the waist. Keep the torso facing the same direction as the hips and move the feet to turn. This will help prevent back strain.
- Maintain a straight back. Hunching over or rounding the shoulders can cause back strain.
- Do not hesitate to call for additional assistance if needed.
- If you do not feel comfortable with an activity you are requested to assist with (such as negotiating a step or a steep incline), you may decline to assist. Help the wheelchair user find appropriate assistance.
- Be prepared to support the weight of the rider when reclining or returning the wheelchair back to the full upright position. Maintain good body mechanics.
- Always stay in attendance when the wheelchair is in the reclined position.



## GENERAL USE INSTRUCTIONS

### OPENING AND FOLDING THE WHEELCHAIR

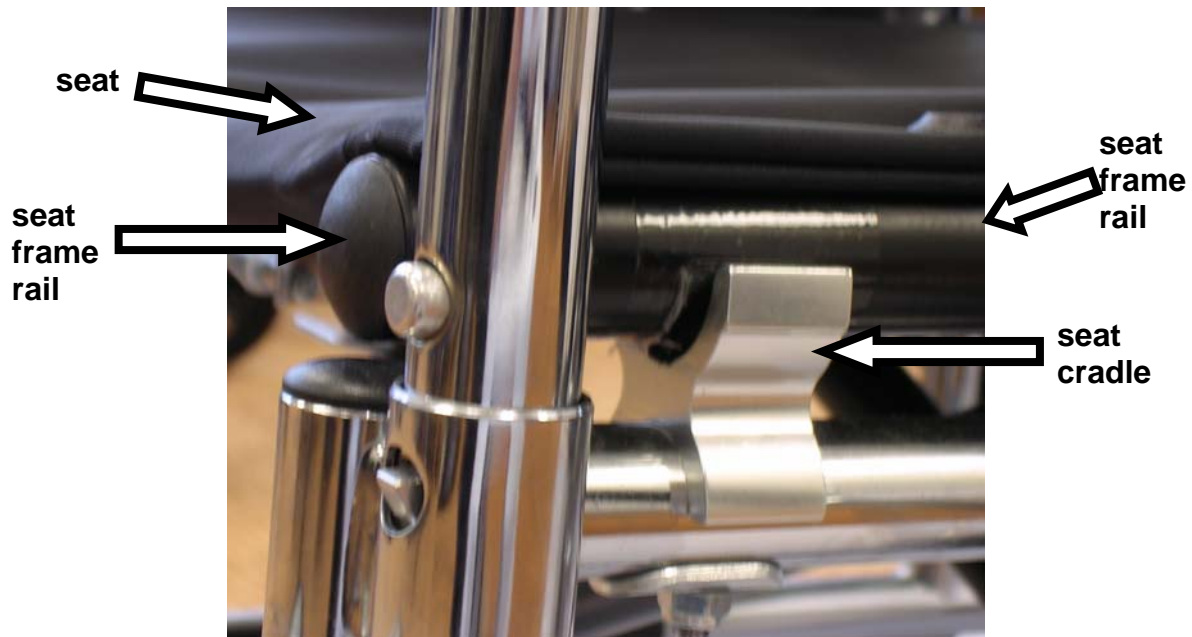
#### To OPEN the Chair

1. Tilt the wheelchair toward you (to one side).
2. Push down on the raised side of the wheelchair. This will partially open the chair.
3. With your fingers and thumbs pointed towards the inside of the wheelchair, push downward on the seat frame rails until the wheelchair is fully open. Make sure that the seat frame rails rest completely inside all 4 seat cradles. Keep hands and fingers away from the area under the rail. See photo below.
4. Secure the stabilizer bar. The bar should already be attached on the left side of the chair. Push the notched part of the stabilizer bar flush with the stabilizer bar connection on the right back cane and hand tighten the triangular thumb screw.

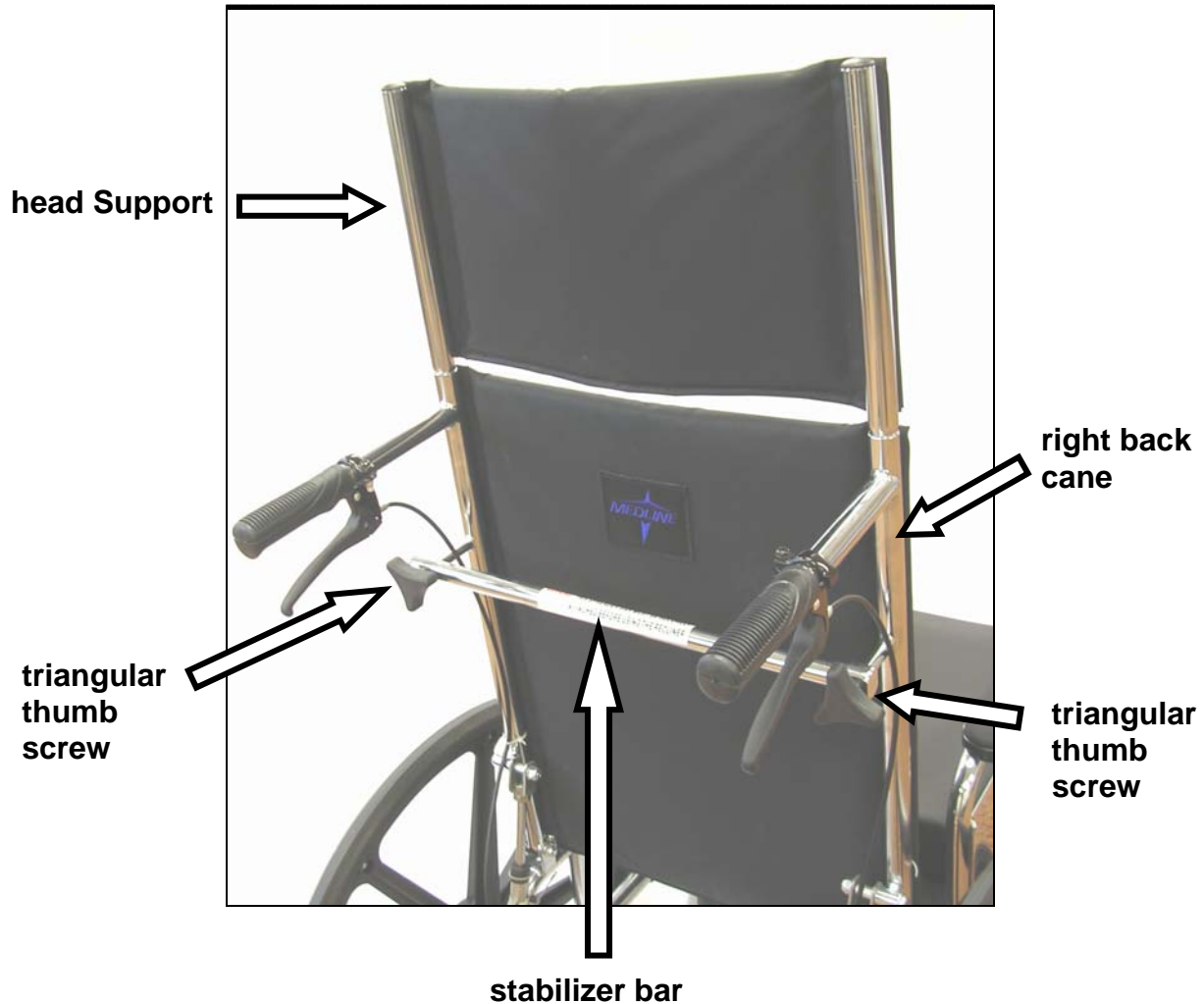


**WARNING:** There is a potential finger pinch point between the seat frame rails and the seat cradles. **DO NOT** place your hand or fingers between the seat frame rails and the seat cradles when opening or closing the wheelchair. **ALWAYS** keep hands and fingers away from moving parts.

**DO NOT** sit in the wheelchair until it is completely open, the seat frame rail is firmly seated in the seat cradles, and the stabilizer bar is secured in place. Risk of injury may occur if care is not taken.



## GENERAL USE INSTRUCTIONS



### To CLOSE / FOLD the chair

1. Loosen the triangle screw on the right side of the stabilizing bar. Swing the stabilizing bar down and to the left side.
2. Ensure the swing-away legrests are in the forward and locked position.
3. Fold the footplates up to the vertical position.
4. With both hands, hold the center of the seat upholstery at the front and back edge and lift up.
5. Alternatively, after starting by lifting the seat upholstery, you may lift up on the two seat frame rails.

## GENERAL USE INSTRUCTIONS

### INSTALLING THE ANTI-TIPPERS

#### WARNINGS:

- Anti-tippers **MUST BE** attached at all times.
- Anti-tippers **MUST** be fully engaged. Ensure the release button of the anti-tipper fully protrudes out of the hole on the bottom of the wheelchair frame.
- Ensure both anti-tippers are adjusted to the same height.
- A 1½ to 2 inch clearance between the bottom of the anti-tipper wheels and the ground/floor must be maintained at all times.

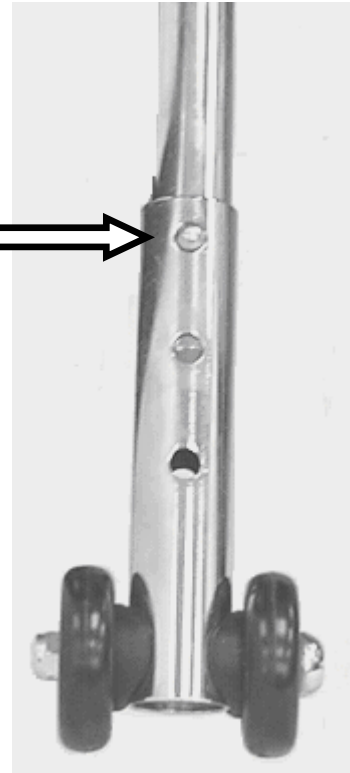
Installed anti-tipper



Anti-tipper  
release  
button



3 adjustment  
holes



#### To install the anti-tippers:

1. Depress the release buttons and insert the anti-tippers with the anti-tipper wheels pointing toward the ground/floor into the wheelchair frame tubing.
2. Ensure that the release button of the anti-tipper fully protrudes out of the hole in the bottom of the wheelchair frame tubing.
3. Adjust anti-tippers as necessary.

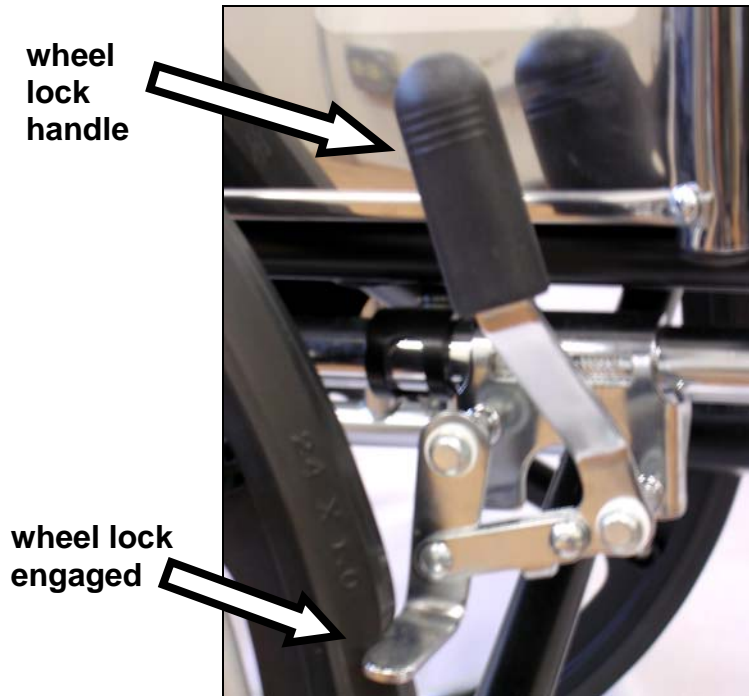


## GENERAL USE INSTRUCTIONS

### WHEEL LOCKS

#### To Engage the Wheel Locks

- Push the wheel lock handle forward to unlock the chair.
- Pull the wheel lock handle back to engage the lock.



#### WHEEL LOCK WARNINGS

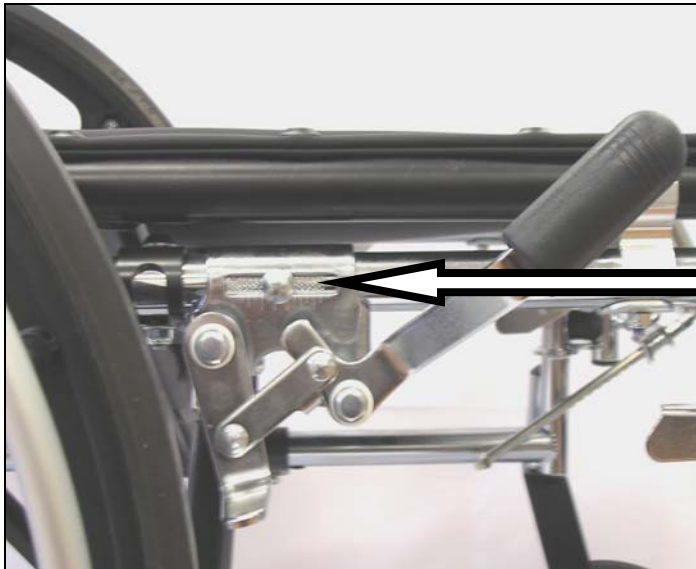
- Check the wheel locks to ensure proper function before using the chair. Wheel locks should embed into the wheel at least 1/8 inch when engaged.
- Engage the wheel locks on both wheels before entering the chair, leaving the chair, leaning forward in the chair or while being transported in an elevator or a wheelchair lift.
- Check to make sure that the legrests do not unlock the wheel locks when they are swung back.
- **DO NOT** use the wheel locks to stop the wheelchair from moving. Wheel locks are not brakes. **DO NOT** use the wheel locks to slow your descent down an incline.

## GENERAL USE INSTRUCTIONS

### To Adjust the Wheel Locks

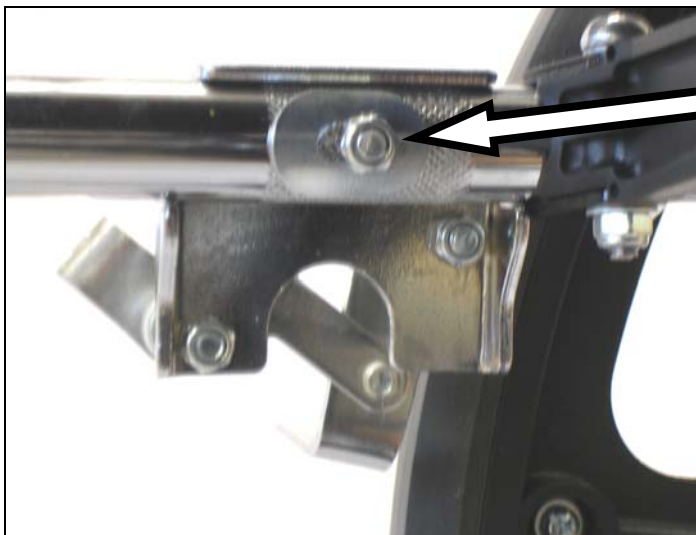
When adjusted correctly, the wheel lock shoe should be embedded into the tire at least 1/8" when engaged in the locked position.

1. Loosen the wheel lock nut on the wheel lock carriage bolt.
2. Slide the clamp toward / away from the rear wheel until the lock shoe is embedded at least 1/8 inch into the tire when the handle is engaged in the locked position.
3. Tighten the nut and bolt to secure the position.
4. Inspect for correct locking action **BEFORE** the wheelchair is used.



wheel lock clamp assembly

wheel lock carriage clamp  
with bolt



wheel lock nut  
(posterior view of carriage clamp)

## GENERAL USE INSTRUCTIONS

### Installing / Removing / Adjusting Caster Wheels



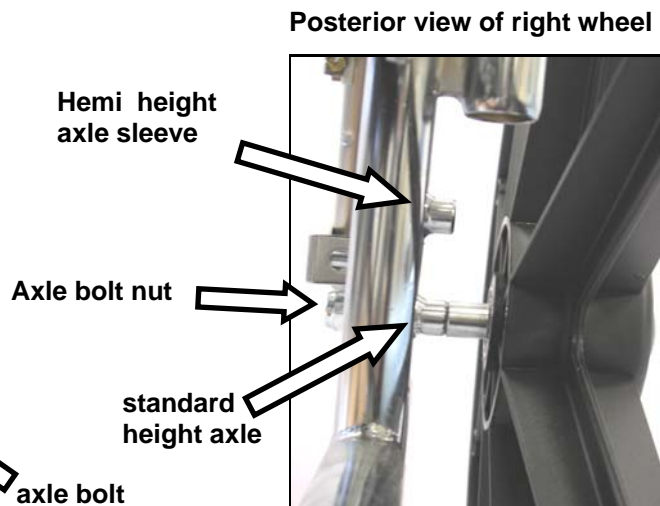
The caster height will need to be adjusted if the wheelchair is changed from standard to hemi height or vice versa. Remove the caster wheel screw and nut, reposition the wheel to the appropriate height using the three holes in the fork, and re-connect the caster with the screw and nut. Choose the height that provides the most comfortable maneuvering capabilities while making the wheelchair level and most stable. Ensure that both casters are installed in the same respective mounting hole.  
Note: Anti-tippers must also be adjusted.

### Adjusting to Hemi Height / Installing / Removing Rear Wheels

The wheelchair is shipped in the standard height configuration. Adjusting the wheelchair to hemi height will lower the rear frame by 2 inches.

To remove the wheel axle for replacement or changing between standard and hemi height: (17mm & 19mm socket wrench required)

1. Remove the hub cap cover.
2. Remove the axle bolt nut located on the inner side of the wheelchair frame.
3. Remove the axle bolt.
4. Slide the wheel / axle off the axle sleeve.



To install the wheel:

1. If present, remove the plastic plug from the desired axle hole and insert it into the non-used axle hole. Insert the rear wheel axle bolt into the desired axle sleeve. (standard or hemi height)
2. Fully tighten the axle bolt.
3. Secure the wheel by placing and tightening the axle bolt nut.
4. Replace the hubcap.

## GENERAL USE INSTRUCTIONS

### Installing / Removing Rear Wheels / Adjusting to Hemi Height

#### Warnings:

After changing a wheel or changing the wheelchair height:

- Check wheel locks for proper adjustment before use.
- Re-adjust the anti-tipper position to accommodate the chair height.
- After the chair height has been changed, the front casters also require adjustment to accommodate the chair height. Check to make sure the wheelchair is level and rolls smoothly.

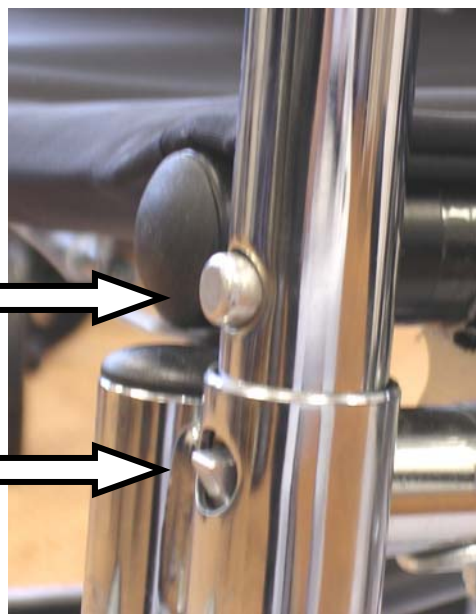
#### Detachable Arms

1. Depress the armrest spring button.
2. Lift the arm up and out of the front and rear sockets.
3. To replace, fit the armrest securely into the front and rear sockets and push down. Ensure the armrest spring clip is fully locked in place and the spring button is fully extended.

armrest spring button



armrest spring button  
locking clip



#### WARNINGS:

**Make sure arms are securely locked before operating the wheelchair.  
DO NOT lift the wheelchair by detachable armrests.**

## GENERAL USE INSTRUCTIONS

### Recliner Operation

#### WARNINGS:

- **ALWAYS** make sure the wheelchair is stable **BEFORE** using the recliner.
- **Anti-tippers MUST** be attached at all times. Ensure both anti-tippers are adjusted to the same height.
- Ensure the stabilizer bar is attached and secured **BEFORE** using the Excel Recliner.
- Use good body mechanics! Be prepared to support the weight of the occupant when assisting with reclining / inclining the back.
- The occupant must never be left unattended while the wheelchair is reclined.

#### **To Recline:**

1. Attach stabilizer bar if not already in place.
2. Inform the wheelchair occupant that you are about to recline the back of the chair.
3. Make sure the wheelchair is occupied and is on a level surface before reclining.
4. Stand behind the wheelchair and grasp both handles firmly. Make sure both the back canes and handles are at the same angle **BEFORE** releasing the levers.
5. Lift up on the handles and squeeze the release levers.
6. **SLOWLY** pull back on / guide the back assembly while squeezing the release levers.
7. When the back reaches the desired angle, **SLOWLY** let go of the release levers.

#### **To Incline:** (decrease the degree of recline or return the back to the upright position)

1. Lift up on the handles and squeeze the release levers. Be prepared to support the occupant's weight.
2. **SLOWLY** raise the back of the chair while continuing to squeeze the release levers.
3. Stop at the desired height or when the back is fully upright.
4. Release the release levers.

### Adjusting the Reclining mechanism

Adjustments to the reclining mechanism should only be performed by a qualified wheelchair technician. If the seat back does not recline / incline smoothly, or if the seat back does not lock into place easily, **DO NOT** use the reclining feature until the chair has been serviced.

## GENERAL USE INSTRUCTIONS

### Adjusting the Position of the Legrest Pad

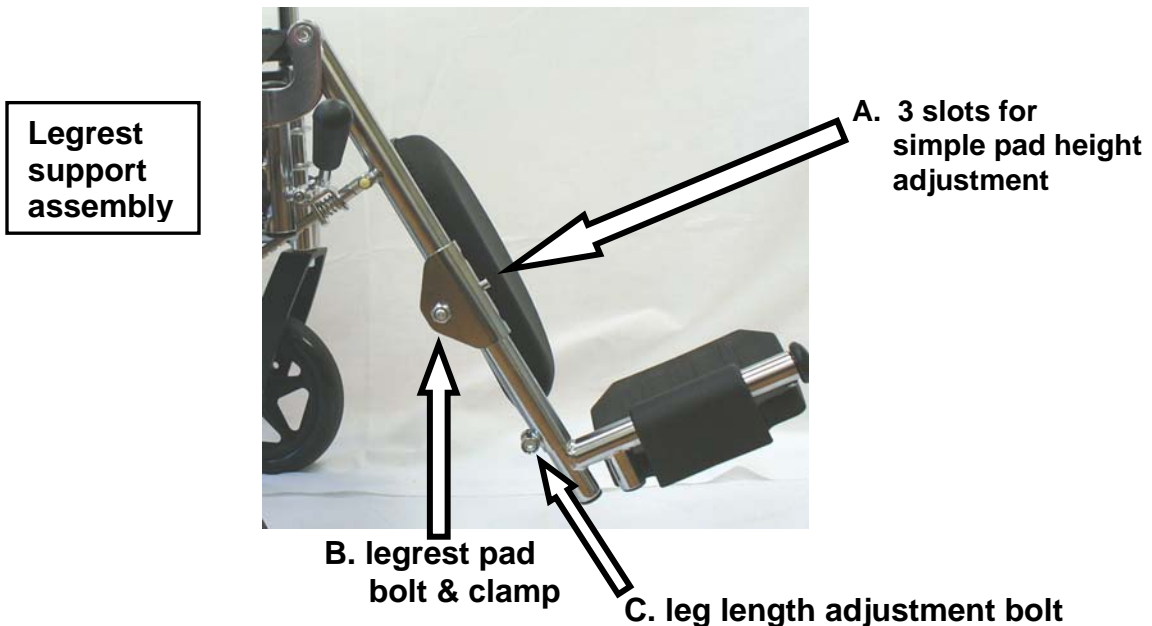
When adjusting the position of the footrest / legrest rigging and pad, the wheelchair user should be sitting in the wheelchair with his/her feet on the footplates.

To easily adjust the legrest pad:

1. Swing the pad up to a vertical position.
2. Slide the pad up or down into the most comfortable slot. There are three positions to choose from. ("A" in photo below)
3. Turn the pad to lock into place.

If this is not sufficient, continue with the following to move the location of the legrest pad on the legrest support assembly.

1. Loosen the bolt on the clamp around the legrest pad assembly. ("B" in the photo below).
2. Raise or lower the legrest pad assembly as needed to provide maximum support of the thighs on the seat upholstery.



### To adjust the length of the legrest assembly

1. Loosen the leg length adjustment bolt. ("C" in photo above.)
2. Adjust the length of the legrest assembly by sliding the footrest portion up or down. The front rigging should not be lowered to the point that it causes pressure on the thighs at the front of the seat upholstery.
3. Tighten the legrest bolt.

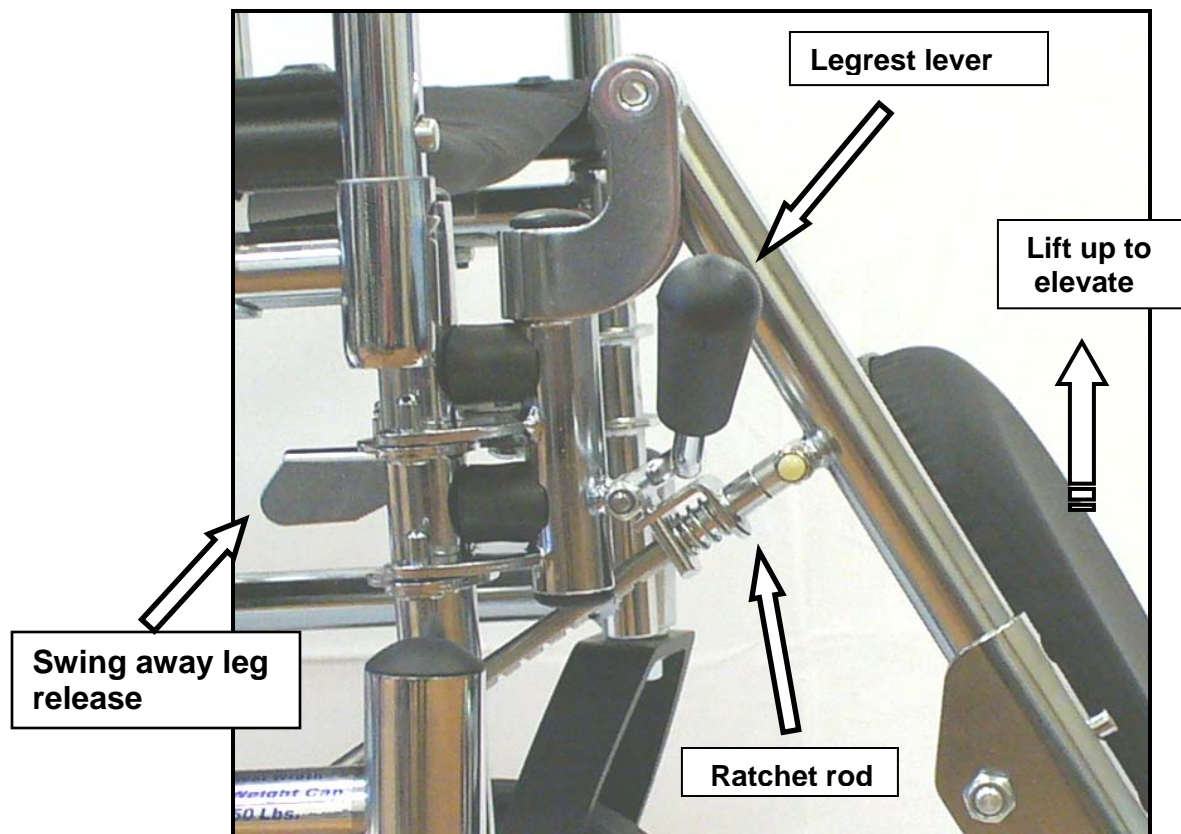
**WARNING: The footrest should not be closer than 2 ½ inches from the ground to ensure proper clearance.**



## GENERAL USE INSTRUCTIONS

### Adjusting / Elevating the Legrest

1. To elevate the legrest assembly, simply lift up on the legrest assembly by the footplate to the desired height or position.
2. Release the legrest and it will automatically lock in place due to the ratchet rod.
3. To lower the legrest assembly, hold onto it by the footplate and push out on the legrest lever.
4. Slowly lower the legrest until the desired position is reached.

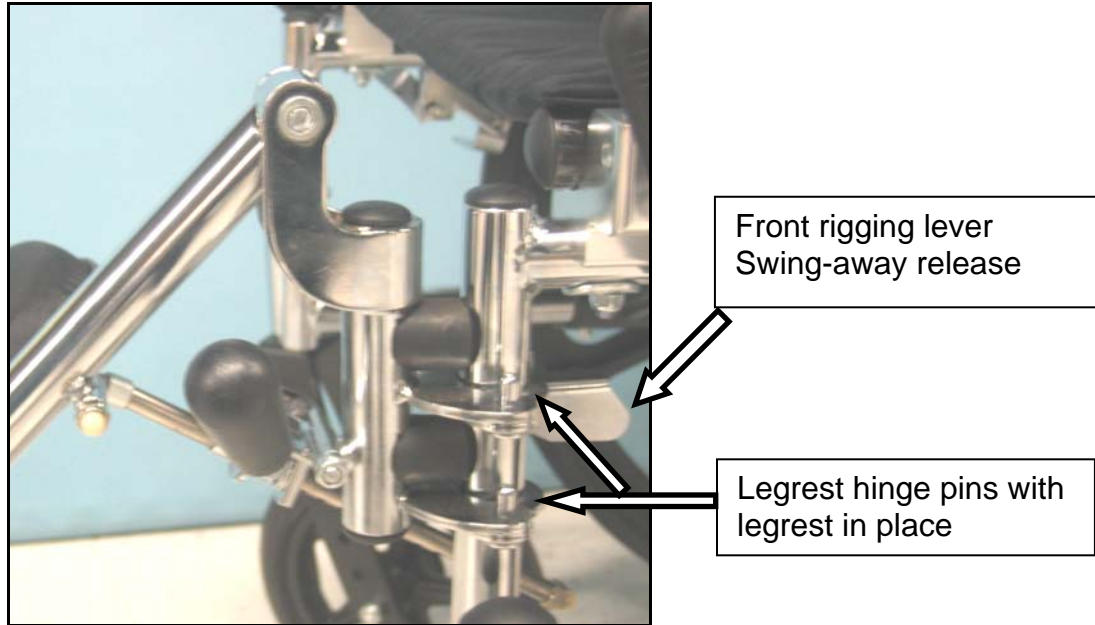


## GENERAL USE INSTRUCTIONS

### Installing / Removing the Swing-away Legrest / Footrest Riggings

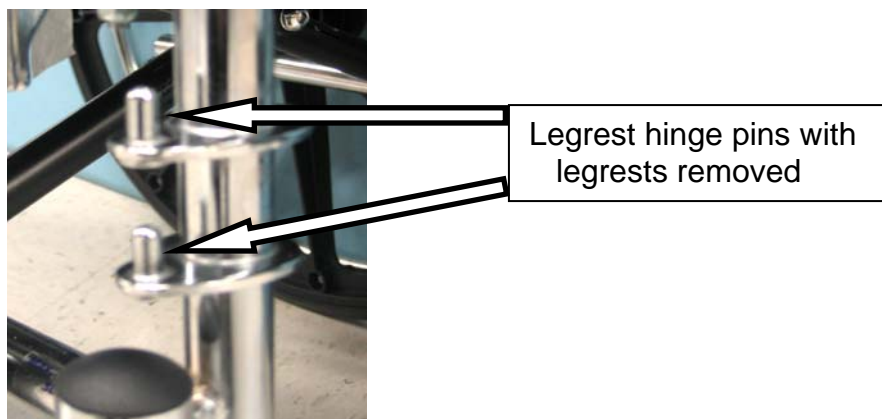
To Swing-away / Remove the Legrest assembly:

1. Release the lock by pushing on the front rigging lever.
2. Swing the legrest outward and to the side.
3. To remove the legrest, lift up on the assembly to remove the legrest off the hinge pins.



To Install the Riggings:

1. Open the footplate (turn it perpendicular to the wheelchair). Hold the legrest rigging to the side of the wheelchair.
2. Install the legrest assembly hinge plates onto the hinge pins of the wheelchair frame.
3. Push the legrest rigging to the front until it locks into place.





## **SAFETY INSPECTION & MAINTENANCE**

**It is highly recommended that the wheelchair be taken to a qualified dealer annually for a thorough inspection and maintenance / repair service.**

### **GENERAL CARE**

- Wipe off chrome parts at least once per week using a clean, soft cloth.
- Clean all metal parts with auto wax or similar products.
- Dry the chair immediately if exposed to moisture.
- Do not use abrasive cleanser or materials that will scratch the finish of the chair.
- Clean the upholstery with a mild soap solution, rinse and wipe dry.
- Clean the handgrips with water only and dry thoroughly. Use of soap or ammonia based cleaning solutions may loosen the grips.

### **MONTHLY CHECK LIST / TROUBLESHOOTING**

#### **General:**

Inspect the entire wheelchair for broken parts, sharp edges and loose fasteners. Ensure that everything works and the chair rolls straight without drag and does not pull to one side. Replace or tighten parts as needed. Inspect for bent frame and crossbars.

#### **Frame and Crossbraces:**

Check that the frame and crossbraces are not bent or dented. Check the tubing for cracks and rust. If such issues are found, take the wheelchair to your local service dealer. Clean and lightly oil the two rear axles on each side of the frame (standard and hemi height) to prevent rust. Plastic caps should be placed over the axle holes while not in use.

#### **Upholstery:**

Inspect for any rips, tears or worn spots and replace as necessary. Inspect the upholstery screws and assure that all are present and tight. Torn or worn upholstery may not support the user's weight and could result in a fall with serious bodily injury.

#### **Armrests:**

Check for cracks or sharp edges. Inspect the spring locks. They should engage fully and should not bind.

#### **Handgrips:**

Ensure the handgrips are tight and secure on the handles. They should not move or twist.

#### **Handrims:**

Inspect the handrims for signs of rough edges or peeling. Replace as needed.

## MAINTENANCE

### **Footrests / Legrests:**

Ensure the legrests remain secure when elevated. Ensure the legrest assembly release works properly. For swing away detachable legrests, ensure the assembly automatically locks securely into place when attached and will not accidentally unlock.

### **Recliner:**

Inspect the reclining mechanisms to ensure they are clean and work freely. Ensure that the stabilizer bar locks securely into place.

### **Front Caster Forks:**

Verify the forks swivel freely without binding. Check to ensure the casters roll freely by lifting the chair and spinning the caster. The caster should come to a gradual stop. If the nut is too loose, the caster will flutter or shimmy. If the nut is too tight, the chair will be difficult to steer. Check the bearings and clean the fork stem housing.

### **Front Casters and Rear Wheels:**

The fork housing and the rear and front wheels are constructed with low maintenance, sealed bearings to keep dirt out and increase the durability of the chair. Bearings are also protected with an additional bearing spacer component. Check that the wheels are not warped, cracked or otherwise damaged and the spokes are not broken. Replace as needed. Assure that the wheels spin freely. Replacement and maintenance of wheel bearings should be completed by a qualified wheelchair technician only.

### **Rear Wheels:**

The rear wheels should be checked for correct tightness. Lift the wheelchair and spin the rear wheels. If the wheel wobbles or is loose the bearings may be worn. Ensure the axle bolt and axle nut are tight.

### **Front and Rear Tires:**

Solid tires require minimal maintenance. They should occasionally be cleaned with a damp cloth. Replace the tires if they become cracked, excessively worn, or have flat spots.

### **Wheel Locks:**

Check to ensure both locks engage correctly and embeds in the tire at least 1/8 inch. If the lock is worn or damaged, it needs to be replaced. Make sure the locking assembly is securely attached to the frame and the wheel will not move when the lock is engaged. Make sure the wheel lock does not interfere with wheel rotation when the lock is not engaged. See wheel lock adjustment instructions in the General Use section.

# MAINTENANCE

## SAFETY INSPECTION CHECKLIST

ITEM	INITIALLY	INSPECT / ADJUST WEEKLY	INSPECT / ADJUST MONTHLY	INSPECT / ADJUST PERIODICALLY
<b>GENERAL</b> Wheelchair rolls straight. (no excessive pull to one side)	X			X
<b>CLEANING</b> Wipe chrome parts with clean, soft cloth. Auto wax / similar product on metal parts. Clean upholstery with mild soap solution with hand-wash or drip-dry only. Machine washing may damage upholstery. Heat from a dryer may damage upholstery. <b>Note:</b> Washing the fabric may decrease fire retardant properties. Use only <b>water</b> on handgrips. Dry chair immediately when wet. Do not use abrasive cleansers or cloths.	X X X	X		X X X
<b>FRAME &amp; CROSSBRACES</b> Inspect for loose or missing hardware. Inspect for bent frame or crossbraces.	X X			X X
<b>SEAT AND BACK UPHOLSTERY</b> Inspect for rips or sagging. Inspect for loose or broken hardware.	X X		X	X
<b>HANDRIMS</b> Inspect for signs of rough edges or peeling.	X			X
<b>RECLINER</b> Inspect reclining mechanisms to ensure they are clean and work freely. Ensure stabilizer bar engages securely.	X X			X X
<b>FRONT CASTERS AND REAR WHEELS</b> Inspect wheel / fork assembly for proper tension by lifting the chair and spinning the caster. It should come to a gradual stop. Loosen locknut if wheel wobbles / tighten locknut if wheel binds to a stop. Ensure wheel bearings are clean and free of moisture.	X X X	X X	X	
<b>REAR WHEELS</b> No excessive side movement or binding when chair is lifted and wheels are spun.	X		X	
<b>FRONT AND REAR TIRES</b> Inspect for flat spots and wear.	X	X		
<b>WHEEL LOCKS</b> Do not interfere with tires when rolling. Pivot points free of wear and looseness. Wheel locks easy to engage.	X X X		X X X	
<b>Take your wheelchair to a qualified dealer annually for a thorough                      inspection and maintenance / repair services.</b>				

## MAINTENANCE

### **Cautions:**

**Use only Medline Industries authorized accessories and parts.**

**DO NOT modify the wheelchair. Examples: drilling holes, grinding, welding parts, using non-authorized / non-approved parts. Such modifications may change the chair's structure and center of balance which may increase the risk of serious injury to the user and void the warranty.**

### **Medline Limited Warranty**

Medline has great confidence in the quality of our wheelchairs. That is why Medline warranties for the original purchaser, that the frame of the wheelchair will be free from defects in materials and workmanship for the life of the chair.

Medline also warrants the parts and upholstery on the wheelchair to be free from defect in materials and workmanship for a period of one (1) year from date of purchase by the original purchaser.

If within the warranty period any such product shall be proven to be defective, such product shall be repaired or replaced, at Medline's option.

This warranty does not cover device failure due to owner misuse or negligence, or normal wear and tear.

All warranty claims must include the product in question unless otherwise authorized by Medline.

For more information about your wheelchair, warranty or to reorder parts call 1-800-MEDLINE.



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