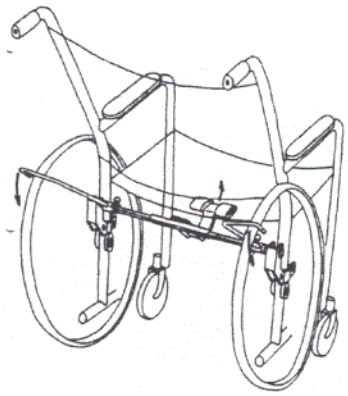
Safe•t mate®



A product of:
210 Innovations, LLC

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SM-001

U. S. Patent # 6,092,824
U. S. Patent # 6,279,936
U. S. Patent # 6,371,503

Wheelchair Anti-rollback Device Owner's Manual

Contents:

- Care and Use
- Warranty
- Manufacturer's Support
- Staff Training Instructions
- Troubleshooting Table

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CARE AND USE

The Safe•t mate is the only patented wheelchair anti-rollback device, which has been designed with commercial use in mind. The stainless and chrome plated steel construction allows for use in a harsh environment. The Safe•t mate is made and assembled in the USA to insure the highest quality. This device, once installed and aligned properly, requires very little care or maintenance. The Safe•t mate should be inspected periodically to insure that all mounting bolts and set screws are securely tightened and brake arms contact the tires properly. If performance problems should ever occur, the Safe•t mate can quickly be aligned.

The optional ambulation monitor, once installed and aligned properly, requires no maintenance, although it is mandatory for the safety of the wheelchair occupant that the monitor (battery) be tested frequently. If the horn volume level decreases, the battery needs to be replaced, select a 9 volt alkaline or lithium battery to provide extended service. The ambulation monitor, although water resistant, is not waterproof. The monitor must be removed before wheelchair is cleaned or placed in a wet environment.

WARRANTY

The 210 Innovations Company extends an **unconditional no questions asked 30 day warranty** on the Safe•t mate wheelchair anti-rollback device.
We also extend the following limited warranty to the original purchaser:
The 210 Innovation Company warrants its Safe•t mate wheelchair anti-rollback device to be free from defects in material and workmanship under normal use for a period of 1 year from the date of purchase. The optional ambulation monitor carries the same 1 year warranty but is not warranteed against water damage. The 210 Innovations Company's sole obligation under this warranty or any implied warranty is limited to the repair or replacement of defective parts only. No labor or service allowance is given or implied.
This warranty does not cover any failure due to abuse, misuse, alteration, improper assembly or installation, or improper maintenance.

SEE US ON THE WEB

www.safetmate.com

The Safe•t mate products are designed, patented and manufactured by:

210 Innovations
Manufacturer of Safe•t mate® Products

210 Innovations pledges to provide the highest quality customer service. Should you experience any problems with your Safe•t mate anti-rollback devices, ambulation monitors or require installation assistance, please contact us at:

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CAUTION

- The Safe•t mate anti-rollback device is not a substitute for the factory installed wheelchair brakes. The Safe•t mate is a backup device, which may reduce injuries when factory brakes are not used.

- The ambulation monitor is not a replacement for proper supervision. It serves as an aid to the caregiver.

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Troubleshooting Table

Anti-rollback device

Condition	Possible cause	Checks and/or remedy
Brake arms do not lift off tires with seat unoccupied.	Not applicable	Arms design to ride on tires.
Brake arms do not lift off tires with seat occupied.	Installation (steps 4 thru 8) not performed with chair occupied.	Repeat installation steps 5 thru 8. With chair occupied.
Only one brake arm lifts off tire when chair is occupied.	1.) Left and right main brackets not at matching height above axial. 2.) Alignment procedure (Step 8) not properly performed.	Ensure main brackets are at matching heights from axial bolts and repeat step 8 as necessary.
Only one brake arm grabs when occupant rises from chair.	1.) Left and right main brackets not at matching height above axial. 2.) Alignment procedure (Step 8) not properly performed.	Ensure main brackets are at matching heights from axial bolts and repeat step 8 as necessary.
Brake arms twist or loosen.	Left and right brake arms swapped or set screws not **tightened firmly**.	Ensure the flat of each brake arm aligns with set screw, swap arms and repeat steps 5 thru 10.
Main brackets do not fit on wheelchair uprights.	May be inappropriate chair for this device.	Brackets will fit on wheelchairs with uprights up to 1" diameter.
Can not fit bolt into main bracket holes.	Chair wheel hub too close to Safe•t mate main bracket.	Slide main bracket up to install bolt and than slide back to just above the axial bolt.
Quick release pins are difficult to remove.	Quick release pins are intended to be snug.	Rock the lever while removing the pin to relieve tension on pin.

Ambulation monitor

Condition	Possible cause	Checks and/or remedy
Horn will not sound or volume is low.	Low battery	Replace battery
Horn works intermittently.	Cam alignment needed. (Cam may be on the make/break point of switch).	Perform cam adjustment (step 5).
Horn will not sound.	1.) Broken wires in switch assembly. 2.) Defective monitor assembly.	1.) Press red button on switch if the horn does not sound you can eliminate the alignment as the problem. 2.) Using paper clip short jack on monitor. If horn sounds you can eliminate the monitor as the problem. 3.) If switch assembly is bad check soldered switch wires. Repair or return defective part for replacement.

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* Train your staff *

We here at 210 Innovations Company hope you will find the Safe•t mate valuable in preventing falls. To realize the greatest benefit from your Safe•t mate, please train your staff on the following operations, benefits and limitations of the Safe•t mate anti-rollback device.

- The Safe•t mate anti-rollback device is designed to roll forward with or without an occupant in the wheelchair. Its primary design is to prevent backward movement when the occupant attempts to sit down in or stands up from the wheelchair. To move the unoccupied wheelchair backwards when standing either in front or behind the wheelchair, simply apply pressure to the unoccupied seat to release the brake arms and allow the wheelchair to roll in any direction.

- Heavy chair seat cushions or cushions wedged in seat can defeat the anti-rollback device, ensure the device is tested any time a new cushion is used.

- Collapsing your wheelchair can be accomplished by removing the two quick release pins and removing the padded seat lever. Removing and installing this lever should be done with the wheelchair unoccupied; this will allow for easy alignment of holes for the quick release pins. The wheelchair may need to be slightly collapsed and the lever to be rocked to aid in aligning the quick release pin holes. **Note:** The quick release pin are intended to be a tight fit, this prevents confused patients from pulling the pins and disabling the anti-rollback device.

- The ambulation monitor was designed to be removed, in order to clean your wheelchair. The ambulation monitor can be removed and installed or even swapped with other Safe•t mate wheelchair monitors without requiring any new adjustments.

- When removing your ambulation monitor from your wheelchair, disconnect the jack from the monitor box and remove monitor from wheelchair. Do not try to remove the switch assembly from the bracket assembly. Removing the switch will require the alignment procedure to be repeated and risk stripping the fine threads on the switch assembly.

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