WHEELCHAIRS FOR FUNCTION AND INDEPENDENCE
WWW.PDGMOBILITY.COM

ECLIPSE

MANUAL WHEELCHAIR
Owner's Operation and Maintenance Manual

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

USER Before using this wheelchair read this entire manual and save it for future reference.

Attendant/Assistants: Before assisting the user of this wheelchair, read this manual and save for future reference.

For more information regarding PDG products, parts and service, please visit www.pdgmobility.com

CE

Class 1 Medical Device
UDI-DI: B829111

1 INTRODUCTION

Thank you for purchasing a PDG mobility wheelchair.

Please do not operate this equipment without first reading and understanding this manual. If you are unable to understand the warnings and instructions, contact a health care professional such as an Assistive Technology Practitioner (ATP), clinical professional or therapist who is familiar with this type of product before attempting to use this equipment.

If you have any questions or comments about this manual, the safety and reliability of your wheelchair and the service you receive by us or your PDG supplier, please write or call us using the contact information below:

PDG PRODUCT DESIGN GROUP INC.
#103- 318 East Kent Avenue South, Vancouver, BC V5X 4N6
Ph: (604) 323-9220 Fax: (604) 323-9097
E-mail: info@pdgmobility.com

Please note and reference your product serial number when contacting PDG for us to better serve your customer support needs.

Serial Number:

SAVE THIS MANUAL FOR FUTURE REFERENCE

2 Table of Contents

3 SPECIAL NOTES

WARNING/CAUTION - Notices as used in this manual apply to hazards or unsafe practices, which could result in personal injury or property damage.

All wheelchair set-up and adjustments must be performed by a qualified technician.

NOTE – THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE. An updated version of this owner's manual may be available at www.PDGMobility.com

INDICATIONS FOR USE – The Eclipse Manual Wheelchair is intended to provide mobility to persons restricted to a seated position.

CONTRAINDICATIONS:

- Does not have the required ability to adequately manage the functions of a manual wheelchair and does not have a capable caregiver for the required assistance
- Cannot tolerate prolonged periods in a seated position
- Highly agitated occupants

WHEELCHAIR USER - As a manufacturer of wheelchairs, PDG endeavors to supply a wide variety of wheelchairs to meet the many needs of the end user. However, final selection of the type of wheelchair to be used by an individual rests solely with the user and his/her health care professional capable of making such a selection.

WHEELCHAIR TIE-DOWN RESTRAINTS AND SEAT RESTRAINTS – Wheelchair users are NOT to be transported in vehicles of any kind while in wheelchairs. If transportation in a vehicle in the wheelchair is required, the wheelchair must be equipped with PDG factory installed Transport-Ready Tie-down mounting points. The wheelchair must be restrained from movement using a government approved wheelchair tie-down system and the vehicle must be equipped with government approved anchor points.

Users of wheelchairs should be transferred into appropriate seating in vehicles for transportation and use should be made of the restraints made available by the auto industry. PDG cannot and does not recommend wheelchair transportation systems.

RESTRAINT DEVICES and SEAT BELTS - IT IS THE OBLIGATION OF THE HOME DEALER, THERAPISTS AND OTHER HEALTH CARE PROFESSIONALS TO DETERMINE IF A SEATING RESTRAINT IS REQUIRED TO ENSURE THE SAFE OPERATION OF THIS EQUIPMENT BY THE USER. SERIOUS INJURY CAN OCCUR IN THE EVENT OF A FALL FROM A WHEELCHAIR.

SAVE THIS MANUAL FOR FUTURE REFERENCE

4 SAFETY SUMMARY

4.1 Operating Information Warning

To determine and establish particular safety limits, practice bending, reaching and transferring activities in several combinations in the presence of a qualified health professional BEFORE attempting active use of the wheelchair.

- **DO NOT** attempt to reach objects if you have to 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** lean over the top of the back upholstery to reach objects from behind as this may cause the wheelchair to tip over.
- **DO NOT** shift your weight or sitting position toward the direction you are reaching as the wheelchair may tip over.
- **DO NOT** use an escalator to move a wheelchair between floors. Serious bodily injury may occur.
- **DO NOT** attempt to stop a moving wheelchair with the wheel locks. WHEEL LOCKS ARE NOT BRAKES.

✓ Before attempting to transfer in or out of wheelchair, every precaution should be taken to reduce the gap distance. Turn both casters towards the object you are transferring onto. When transferring to and from the wheelchair, ALWAYS ENGAGE BOTH WHEEL LOCKS.

- **DO NOT** operate on roads, streets or highways.
- **DO NOT** climb, go up or down ramps or traverse slopes greater than 9°.
- **DO NOT** attempt to move up or down an incline that is wet, icy or contains an oily film.
- **DO NOT** attempt to ride over curbs or obstacles. Doing so may cause your wheelchair to turn over and cause bodily harm or damage to the wheelchair.
- **DO NOT** use unauthorized parts, accessories, or adapters other than those authorized by PDG.
- **DO NOT** attempt to lift wheelchair by any removable (detachable) parts.
- **DO NOT** stand on the frame of the wheelchair.

✓ For products supplied with anti-tippers, anti-tippers must be attached at all times.

- **DO NOT** use the footplate as a platform when getting in or out of the wheelchair.

✓ Use seat restraint as recommended by home dealers, therapists, and other healthcare professionals.

✓ Positioning belts should be considered to meet the user's specific safety requirements.

- DO NOT stand on frame of the wheelchair.

Tire Pressure

- If pneumatic tires are supplied, DO NOT use your wheelchair unless it has the proper tire pressure (psi). DO NOT over inflate the tires. Failure to follow these suggestions may cause the tire to explode and cause bodily harm.
- Replacement of a pneumatic tire or tube MUST be performed by an authorized PDG Dealer or Qualified Technician.

4.2 Weight Training

- **PDG DOES NOT** recommend the use of this wheelchair as a weight training apparatus. PDG wheelchairs have NOT been designed or tested as a seat for any kind of weight training. If the occupant uses said wheelchair as a weight training apparatus, PDG shall NOT be liable for bodily injury and the warranty will be voided immediately.

4.3 Weight and Age Limitations

The Eclipse Wheelchair has weight limitations of 600lbs (272kg) and 1000lbs (453kg), depending on configuration selected. Unless otherwise specified by PDG. The maximum user weight is shown on the product order form. Further, the Eclipse is not to be used by persons under the age of 12 years.

PDG has designed the Eclipse manual wheelchair for use with individuals weighing 250lbs and more. It is important to note that the activity level of individual wheelchair users must be considered when selecting an appropriate product. For example, a 270lbs active wheelchair user could subject the wheelchair to more stress than a 350lbs passive user. PDG recommends that very active heavy duty users consider the use of extra heavy-duty construction in the form of increased weight capacity.

5 SAFETY/HANDLING OF WHEELCHAIRS

"Safety and Handling" of the wheelchair requires the close attention of the wheelchair user as well as the assistant. This manual points out the most common procedures and techniques involved in the safe operation and maintenance of the wheelchair. It is important to practice and master these safe techniques until you are comfortable in maneuvering around frequently encountered architectural barriers.

Use this information only as a basic guide. The techniques that are discussed on the following pages have been used successfully by many individuals.

Individual wheelchair users often develop skills to deal with daily living activities that may differ from those described in this manual. PDG recognizes and encourages each individual to try what works best in overcoming architectural obstacles that they may encounter. Techniques in this manual are a starting point for the new wheelchair user and assistant with "safety" as the most important consideration for all.

5.1 Stability and Balance

To assure stability and proper operation of your wheelchair, you must at all times maintain proper balance. Your wheelchair has been designed to remain upright and stable during normal daily activities as long as you do not move beyond the center of gravity.

Virtually all activities which involve movement in the wheelchair have an effect on the center of gravity. PDG recommends using seat restraints for additional safety while involved in activities that shift your weight.

- **DO NOT** lean forward out of the wheelchair any further than the length of the armrests. Make sure the casters are pointing in the forward position whenever you lean forward. This can be achieved by advancing the wheelchair and then reversing it in a straight line.
- PDG does **NOT** recommend the use of this wheelchair for stretching exercises. If the occupant uses said wheelchair as a stretching exercise apparatus, keep in mind the changes to the normal balance, the center of gravity and the weight distribution of the wheelchair and make sure stability and balance are not compromised.

5.2 Coping with Everyday Obstacles

Coping with the irritation of everyday obstacles can be alleviated somewhat by learning how to manage your wheelchair. Keep in mind your center of gravity to maintain stability/balance.

- **WARNING: DO NOT** attempt to perform a "wheelie" in your wheelchair because of the dangerous nature of this type of maneuver.

5.3 A Note to Wheelchair Assistants

When assistance to the wheelchair user is required, remember to use good body mechanics. Keep you back straight and bend your knees whenever tilting the wheelchair or traversing curbs, or other impediments.

Be aware of any removable (detachable) parts. These must NEVER be used for hand-held or lifting supports, as they may be inadvertently released, resulting in possible injury to the user and/or assistant(s)

When learning a new technique, have an experienced assistant help before attempting it alone.

5.4 Tilting

- **WARNING: DO NOT** tilt the wheelchair without assistance.

When tilting the wheelchair, an assistant should grasp the back of the wheelchair on a non-removable (non-detachable) part. Inform the wheelchair occupant before tilting the wheelchair and remind him/her to lean back. Be sure the occupant's feet and hands are clear of all wheels.

Tilting – Curbs
After mastering the techniques of tilting the wheelchair, use this procedure to tackle shallow curbs, short stairs, etc.

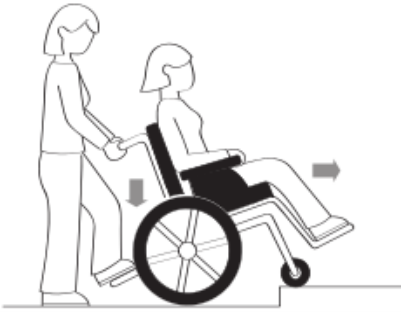

Figure 5.1*: Assistant position for climbing curbs, for wheelchair with step tubes*

METHOD 1 – Wheelchair with Step Tubes

Apply a continuous downward motion until the balance point is achieved and the front casters clear the curb. At this point, the assistant will feel a difference in the weight distribution. Roll the wheelchair forward and slowly lower the wheelchair in one continuous movement. Do not let the wheelchair drop the last few inches to the ground. This could results in injury to the occupant. Push the wheelchair forward until the rear wheels roll up and over the curb.

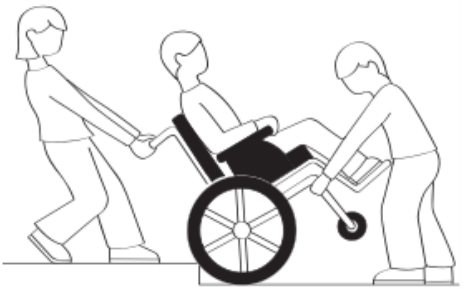

Figure 5.2: *Assistant positioning for climbing curbs, for wheelchair without step tubes*

METHOD 2 – Wheelchairs without Step Tubes

Unless the first assistant has exceptional upper body strength, it is recommended that METHOD 2 use two (2) assistants. The second assistant should be positioned at the front of the wheelchair lifting upward on a non-removable (non-detachable) part of the wheelchair frame when lifting the wheelchair and stabilizing the wheelchair when the wheelchair is being lowered to the ground. The first assistant should stand on the sidewalk and turn the wheelchair so that the rear wheels are against the curb. The wheelchair should be tilted back to the balance point and, in one continuous downward movement, the rear wheels should be pulled up and over the curb. DO NOT return the front casters to the ground until the wheelchair has been pulled backward far enough for the front casters to clear the edge of the curb.

5.5 Stairways and Escalators

WARNING – DO NOT use an escalator to move a wheelchair between floors. Serious bodily injury may occur.

WARNING – DO NOT attempt to lift a wheelchair by lifting on any removable (detachable) parts. Lifting by means of any removable (detachable) parts of a wheelchair may result in injury to the user or damage to the wheelchair.

Extreme caution is advised when it is necessary to move an occupied wheelchair up or down the stairs. PDG recommends using two (2) assistants and making thorough preparations. Make sure to use ONLY secure, non-detachable parts for hand-held supports.

Figure 5.3: Assistant positioning for climbing stairs

Follow this procedure for moving the wheelchair between floors when an elevator is NOT available:

1. After the wheelchair has been tilted back to the balance point, once assistant (in the rear) backs the wheelchair up against the first step, while securely grasping a non-removable (non-detachable) part of the wheelchair for leverage.
2. The second assistant, with a firm hold on a non-detachable part of the framework, lifts the wheelchair up and over the stair and steadies the wheelchair as the first assistant places one (1) foot on the next stair and repeats STEP 1.
3. The wheelchair should not be lowered until the last stair has been negotiated and the wheelchair has been rolled away from the stairway.

5.6 Transferring to and from Other Seats

WARNING — BEFORE attempting to transfer in or out of the wheelchair, every precaution should be taken to reduce gap distance. Turn both casters toward the object you are transferring onto. Also be certain the wheel locks are engaged to help prevent wheels from moving.

CAUTION — When transferring, position yourself as far back as possible in the seat. This will prevent damaged upholstery and the possibility of the wheelchair tipping forward.

NOTE — This activity may be performed independently provided you have adequate mobility and upper body strength.

Figure 5.4:Transferring to and from other seats

1. Position the wheelchair as close as possible alongside the seat to which you are transferring, with the front casters pointing toward it. Engage wheel locks. Shift body weight into seat with transfer.
2. During independent transfer, little or no seat platform will be beneath you. Use a transfer board if at all possible.

5.7 Percentage of Weight Distribution

WARNING – DO NOT attempt to reach objects if you have to move forward in the seat or pick them up from the floor by reaching down between your knees.

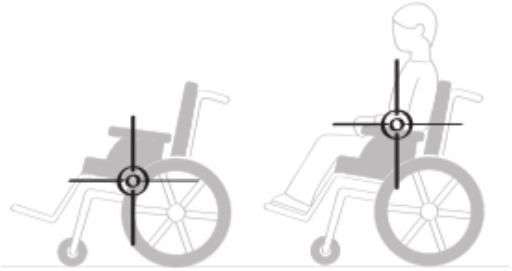

Figure 5.5: Center of gravity location

Many activities require the wheelchair owner to reach, bend and transfer in and out of the wheelchair. These movements will cause a change to the normal balance, the center of gravity, and the weight distribution of the wheelchair. To determine and establish you particular safety limits, practice bending, reaching and transferring activities in several combinations in the presence of a qualified health professional BEFORE attempting active user of the wheelchair.

5.8 Reaching, Leaning, and Bending Forward

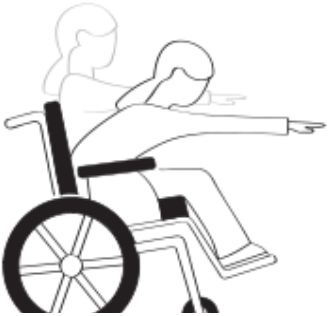

Figure 5.6: Forward reach in wheelchair

Functional Reach from a Wheelchair

Proper positioning is essential for your safety. When reaching, leaning, bending forward, it is important to use the front casters as a tool to maintain stability and balance.

Bending Forward

WARNING — DO NOT Lean forward of the armrest.

Position the front casters so that they are extended as far as possible and engage wheel locks.

Bending Backward

WARNING — DO NOT lean over the top of the back upholstery. This will change your center of gravity and may cause you to tip over.

Figure 5.7: Reaching objects on the ground

Reaching Objects on Ground

Position wheelchair as close as possible to the desired object. Point front casters forward to create the longest possible wheelbase. Reach back only as far as your arm will extend without changing your sitting position.

6 ENVIRONMENTAL CONDITIONS

Warning

1. Use extra care if you must ride your chair on a wet or slick surface. If you are in doubt, ask for help.
2. Contact with water or excess moisture may cause your chair to rust or corrode. This could cause your chair to fail.
    a. Do not use your chair in a shower, pool or other body of water. The chair tubing and parts are NOT water-tight and may rust or corrode from the inside.
    b. Avoid excess moisture (for example, do not leave your chair in a damp bathroom while taking a shower).
    c. If your chair does get wet (from cleaning or otherwise), dry it as soon as possible.
3. Terrain
    a. Your wheelchair is designed for use on firm, regular, even surfaces such as typical interior spaces, concrete or asphalt.
    b. Operating your wheelchair in sand, loose soil or over rough terrain may damage wheels, the footrest, or other components of your wheelchair.

NOTE - Failure to heed these warnings could result in severe injury to yourself or others as well as damage your chair.

7 STANDARD FEATURES

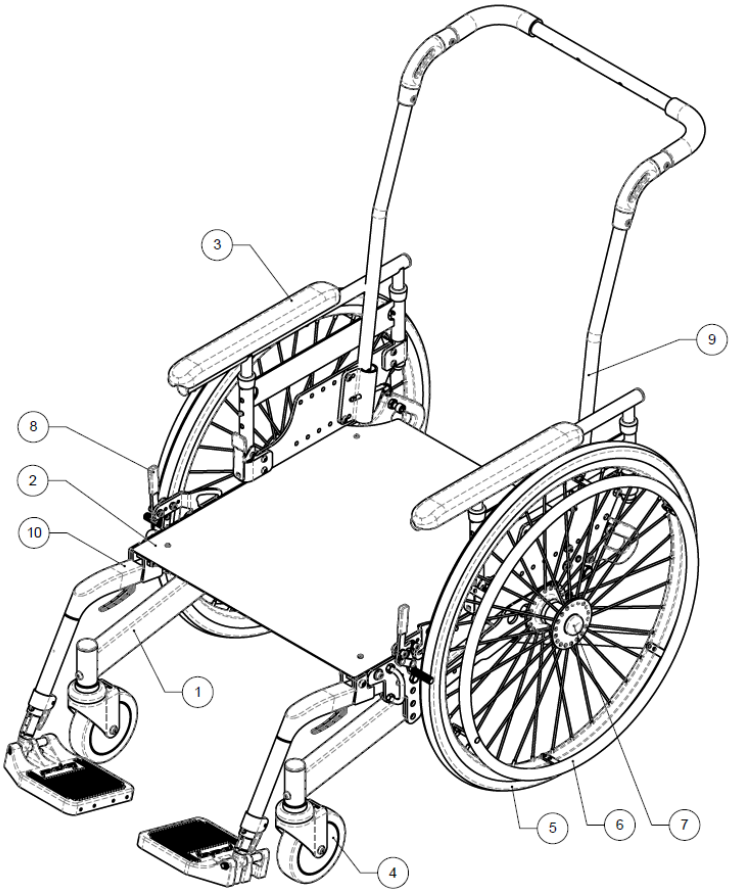

Figure 7.1: Eclipse Wheelchair Standard Features

1. Lower Frame
2. Upper Seat Frame
3. Removable – Adjustable Height Armrest – Dual Post
4. Front Casters
5. Rear Wheels
6. Standard Hand Rims
7. Rear Axles
8. Wheel locks
9. Backrest
10. Easy-out 60° Front Rigging
11. Composite Foot Plate
12. Rear Anti-Tipper

8 UNPACKING AND ASSEMBLY

NOTE – Unless the Eclipse is to be assembled immediately, retain cartons and packing materials for use in storing the wheelchair until assembly is required

1. Check for any obvious damage to the carton or its contents. If damage is evident, notify your Dealer/Carrier immediately.
2. Remove all loose packing from the carton.
3. Carefully remove all components from the carton.

8.1 Inspection

Examine exterior of the PDG Eclipse for nicks, dents, scratches or other damages. Inspect all components. If damage is evident, notify your Dealer/Carrier immediately.

8.2 Out of the Box Assembly Instructions

When unpacking an Eclipse, you will need to assemble the armrests, backrest, front rigging (if applicable), and anti-tip tubes to complete the set-up.

Backrest

The backrest can be installed into the backrest receivers on the left and right side of the rear of the seat frame. Remove the quick release pin on each side and place the backrest tubes into the receivers. Align the holes between the receiver and the backrest tube and re-engage the pin.

Front Rigging

Installing the front rigging depends on the type of front rigging included with chair – For plug-in front rigging, squeeze the front-rigging trigger and slide the front rigging into the rectangular cross-sections on the side of the upper frame until the latch aligns and engages with the upper frame hole and snaps into place. For other front rigging options refer to section 12.1.

Arm Assembly

Install the arm assembly by simply sliding the arms into the circular arm receivers on the frame.

Anti-Tip Tubes

If anti-tip tubes are not already installed on the chair, locate them in the box and slide them into the receivers at the back underside of the frame so that the rollers are pointing downwards. These will prevent the chair from overturning if the centre of gravity moves too far rearward and are **mandatory for safety and warranty protection.**

IMPORTANT — with the user sitting in the chair, carefully check (with a person standing behind the chair with attention to the back canes) to ensure the wheelchair is in stable position before dispensing the wheelchair.

8.3 Storage

Store the repackaged PDG Eclipse in a dry area and DO NOT place other objects on top of the repackaged wheelchair.

9 SAFETY INSPECTION CHECKLIST

NOTE — Twice a year take your wheelchair to a qualified dealer for a thorough inspection and servicing. Regular cleaning will reveal loose or worn parts and enhance the smooth operation of your wheelchair. To operate properly and safely, your wheelchair must be cared for just like any other vehicle. Routine maintenance will extend the life and efficiency of your wheelchair. Initial adjustments should be made to suit your personal body structure and preference. Thereafter follow these maintenance procedures:

Table 9.1: *Safety Inspection Checklist*

ITEM	Initially	Inspect/Adjust Weekly	Inspect/Adjust Monthly	Inspect/Adjust Every 6 Months
GENERAL				
Wheelchair rolls straight (no excessive drag or pull to one side).	×			×
Ensure all hardware is tight.	×	×		
WHEEL LOCKS				
Do not interfere with tires when rolling.	×		×	
Pivot points free of wear and looseness.	×		×	
Wheel locks easy to engage.	×		×	
CLOTHING GUARDS				
Inspect for bent or protruding metal.	×			×
Ensure all fasteners are secure.	×			×
SEAT/BACK UPHOLSTERY				
Inspect for rips or sagging.	×			
Inspect fastening to ensure they are secure.	×		×	×
REAR WHEELS				
No excessive side movement or binding when lifted and spun.	×			×
Quick-release axles lock properly.	×	×		×
FRONT CASTER				
Inspect wheel/fork assembly for proper tension by spinning caster; caster should come to a gradual stop.	×		×	
Wheel bearings are clean and free of moisture.	×	×		
CAUTION: Wheels and tires should be checked periodically for cracks and wear, and should be	×		×	

replaced when necessary.

ITEM	Initially	Inspect/Adjust Weekly	Inspect/Adjust Monthly	Inspect/Adjust Every 6 Months
TIRES				
Inspect for flat spots and wear.	×		×	
If pneumatic tires, check for proper installation.	×	×		
Inspect rear tires for cracks and wear.	×			×
CAUTION: Wheels and tires should be checked periodically for cracks and wear, and should be replaced when necessary.	×			
CLEANING				
Clean and wax all parts.				×
Clean upholstery and armrests.				×
Inspect axles are free from dirt, lint, etc.			×	

10 TROUBLESHOOTING

Table 10.1: *Trouble Shooting Table*

Problems	Solution
• Chair veers right • Chair veers left • Sluggish turn or performance • 3 of 4 wheels contacting ground surface	If pneumatic, check tires for correct/equal pressure
• Sluggish turn or performance • Casters flutter • Squeaks and Rattles • Looseness in chair	Check for loose stem nuts and bolts
• Chair veers right • Chair veers left • Sluggish turn or performance • Casters Flutter	Check caster angle
• Chair veers right • Chair veers left • Casters flutter	Check that both casters contact the ground at the same time

11 MAINTENANCE

11.1 Adjustment Guide

The following instructions are intended to provide assistance in making wheelchair adjustments. It is important to note the initial wheelchair configuration prior to making changes. When making changes, dealers and users should do so under the guidance of a health care professional who is knowledgeable of the particular limitation of the wheelchair user. Be sure that when finished, all components are properly tightened and have been completed in accordance with these instructions. DO NOT over tighten hardware attaching to the frame. This could cause damage to the frame tubing.

Table 11.1: *Tools Required*

Philips Screw Driver					
Allen Key	□1/8”	□5/32”	□3/16”	□1/4”	
Adjustable or Open End Wrench	□7/16”	□1/2”	□9/16”	□15/16”	□1”
Socket Head Driver with Socket Heads	□7/16”	□1/2”	□9/16”		

11.2 Cleaning

Periodic cleaning of all surfaces will help keep your wheelchair looking good and operating properly. All surfaces can be cleaned using warm water and a mild soap solution. Do not use abrasive cleaners on any surfaces.

11.3 Suggested Maintenance Procedures

1. Before using your Eclipse wheelchair, make sure all nuts and bolts are tight. Check all parts for damage or wear and replace them if necessary. Check all parts for proper adjustment.
2. Keep quick-release axles, if applicable, free of dirt and lint to ensure positive locking and proper operation. Refer to ADJUSTING THE QUICK-RELEASE AXLE in section 10.6 of this manual.
3. If applicable, oil quick-release axles at least once (1) a month (3-in-1 oil or equivalent).

WARNING – If pneumatic tires are used, do not use the wheelchair unless it has the proper tire pressure (psi). DO NOT over inflate the tires. Failure to follow these suggestions may cause the tire to explode and cause bodily harm.

4. If tires are pneumatic, recommended tire pressure is listed on the side wall of the tire.
5. The wheels and tires should be checked periodically for cracks and wear, and should be replaced when necessary at your authorized dealer or by a qualified technician.
6. For wheelchairs with hard rims, periodically check hand rims to ensure they are secured to the rear wheels.

12 SET UP & ADJUSTMENTS

12.1 Front Rigging

WARNING – After making adjustments, always make sure that parts are properly replace and tightened BEFORE using the wheelchair.

NOTE: the Front Rigging Receiver on the Eclipse Wheelchair is positioned at 10°. As a result the chair will be provided with a 70° hanger to achieve a 60° on chair angle.

Standard Front Rigging (Legacy) – Plug-in 60°

Installation and Removal:

1. To mount plug-in style front rigging, push the snap button located near the top of the footrest tube and slide into open square tube (seat rail) at front of chair. Footrest hanger will lock into position when the button 'pops' through hole near the front of the seat rail.
2. To release front rigging push the snap button and slide front rigging forward and out of the open square rail tube.

Footrest Height adjustment:

1. Remove the nut, bolt and coved washers and position the footrest assembly to the desired height.
2. Line up mounting hole and the aluminum insert in the footrest tube, reinstall fasteners and tighten securely.
3. Repeat the procedure for the other footrest.

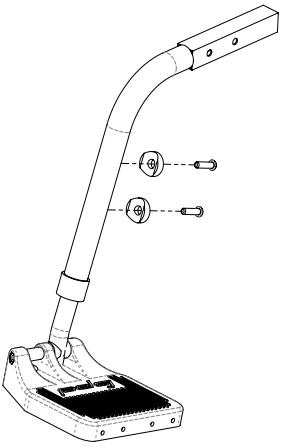

Figure 12.1: Standard Front Rigging – Plug in 60°

Standard Front Rigging (Legacy) – Swing-Away 60°

Installation:

1. Orient the footrest at approximately 45° outboard of the wheelchair as shown in Figure 12.2
2. Insert footrest mounting pin into the mounting tube of the hanger.
3. Rotate the footrest inboard until it locks into place. The footplate will be facing inboard when locked in place.
4. Repeat this procedure for the other footrest assembly

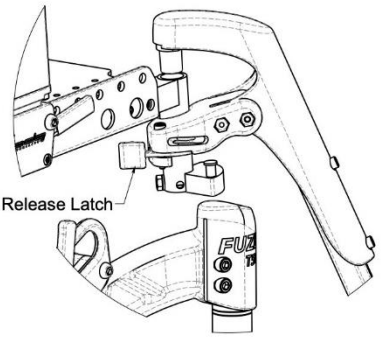

Figure 12.2: *Swing-Away Front Rigging Latch Installation and Removal rigging*

Removal:

1. To remove the Swing-Away front rigging, the locking mechanism needs to be released and the front rigging assembly can then be lifted off of the mounting hangers.
2. To release the locking mechanism, push the release lever as show in Figure 12.2
3. As the lever is pushed, rotate the front rigging outboard and lift the footrest mounting pin out of the mounting receiver.

Footrest Height adjustment

1. Remove any padding and/or calf strap, if fitted. Remove the fasteners and nuts as shown in Figure 12.3
2. Position the footrest assembly to the desired height and line up the mounting holes.
3. Reinstall the hardware and tighten securely.
4. Repeat this procedure for the other footrest and replace padding and/or calf strap, if fitted.

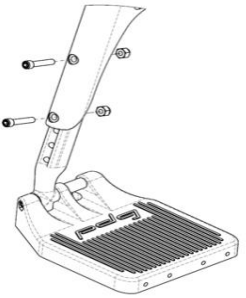

Figure 12.3: Standard Swing-Away footrest height adjustment

Standard Front Rigging - Swing Away Elevating Legrest (ELR)

Installation and Removal:

1. The installation and removal of the Elevating Legrest is the same as the Swing-Away Front Rigging. Refer to the instruction for the Swing-Away front rigging.

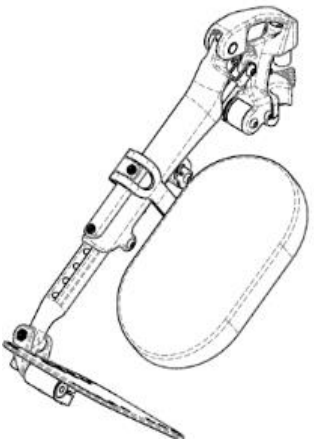

Figure 12.4: Swing-Away Elevating Legrest

Footrest Height adjustment:

1. Loosen and remove the ¼-20 x 1-3/4" Socket Button Head which holds the ELR's linear locking device, shown in Figure 12.5
2. Adjust the legrest extension to the desired position, line up the mounting holes and re-install and securely tighten the socket head cap screws.
3. Re-install the ¼-20 x 1-3/4" socket button head in the eyelet of the linear locking device and securely tighten
4. Repeat the procedure for the other footrest.

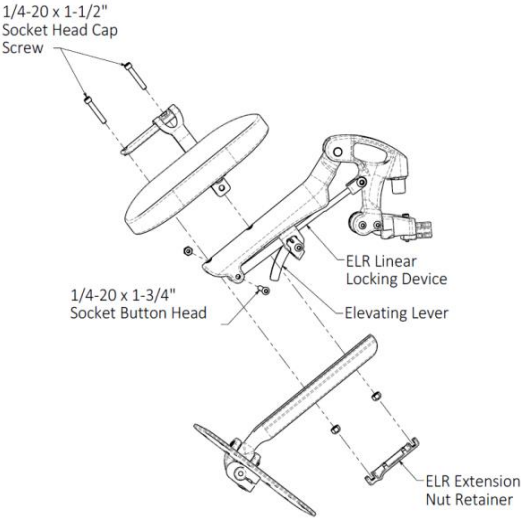

Figure 12.5: Elevating Legrest Footrest Height Adjustment

Easy-Out™ Plug in 60° Front Rigging Footrest

Installation and Removal

1. To mount the easy out plug-in front rigging, activate the lever located under the plug-in and slide the front rigging into the open square tube receiver (seat rail). The Front rigging will lock into position when the lever snaps through hole located on the bottom of the square receiver tube.
2. To release front rigging, activate the trigger to disengage the lever and slide the front rigging forward and out of the open square seat rail extrusion.

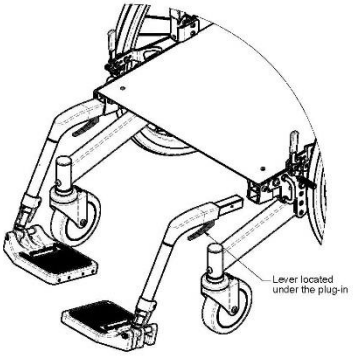

Figure 12.6: Plug-in front rigging installation

Footrest Height adjustment:

1. Release the leg length adjustment lever. This is shown in Figure 12.7
2. Adjust the footrest extension to the desired height.
3. Fully depress the lever to lock the footrest extension height.
4. Note: Height adjustment can be performed with the individual sitting in the wheelchair with their feet on the foot plates. The lowest point of the foot plates should be no less than 2” from the ground or floor.

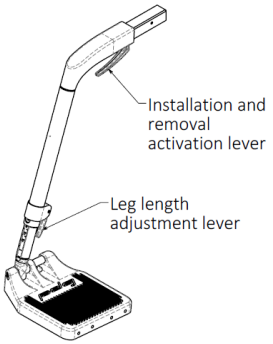

Figure 12.7: Adjusting footrest height

Easy-Out™ Adjustable Knee Angle Front Rigging

Installation and Removal

Installation and Removal of this option is the same as the Easy-out Plug-in 70° Front Rigging.

To adjust the Knee Angle Front Rigging:

1. Remove the plastic cover on the side by prying it off by hand.
2. Unlock the knee angle joint by loosening the socket head fastener ½ a turn.
3. Adjust the angle of the front rigging to the desired location.
4. Once set to the desired location, re-tighten the socket head fastener and re-install the plastic cover.

NOTE – Check to ensure that desired front rigging adjustment does not cause pressure to legs at front of seat upholstery. Such a condition could cause injury to the occupant.

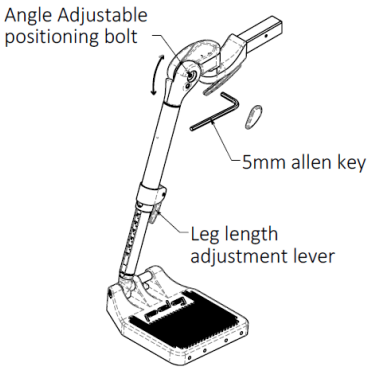

Figure 12.8: Easy-Out Angle Adjustable Front Rigging

Footrest Height Adjustment

Footrest height adjustment of this option is the same as the Easy-out Plug-in 70° Front Rigging.

WARNING

DO NOT ATTEMPT TO STAND ON FOOT PLATES. Standing on the foot plates will cause the chair to tip forward abruptly and may result in an adverse fall to the individual.

DO NOT ATTEMPT to lift chair by the footrests or leg rests. These components are designed to separate from the wheelchair.

FRONT RIGGING SHOULD BE REMOVED when entering or exiting from the wheelchair.

12.2 Foot Plates

Composite Footplates

The default foot plates for the Eclipse are the composite footplates. These composite footplates offer flip-up functionality. To flip up the footplate simply pull upwards on the footplate.

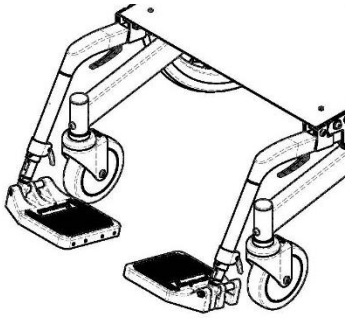

Figure 12.9: Composite Footplates

Adjustable Angle Footplates (Optional)

Angle adjustable footplates allow the depth and the angle of the footplate to be adjusted. These angle adjustable footplates also offer flip-up functionality. To flip up the footplate simply pull upwards on the footplate.

Adjusting the Footplate Angle

1. Loosen the angle adjustable footplate adjustment bolts as shown in Figure 12.10.
2. Rotate the footplate until it is at the desired angle.
3. Tighten the bolts.
4. Repeat for other footplate if required.

Adjusting the Depth

1. Remove the angle adjustable footplate adjustment bolts as shown in Figure 12.10.
2. Align the footplate with the preferred holes.
3. Refasten the nuts and bolts.
4. Repeat for other footplate if required.

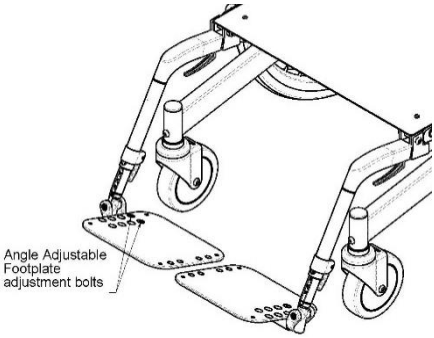

Figure 12.10: Adjustable Angle Footplates

One Piece Footplate (Optional)

One piece footplates come in two types: fixed and flip-up (See Figure 12.12and Figure 12.11). To flip up the one piece flip-up footplate, simply pull upwards on the footplate.

NOTE- When adjusting interlocking footplates, ensure they are locked together.

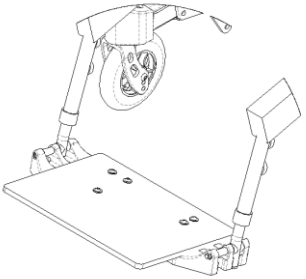

Figure 12.12: One Piece Fixed Footplates

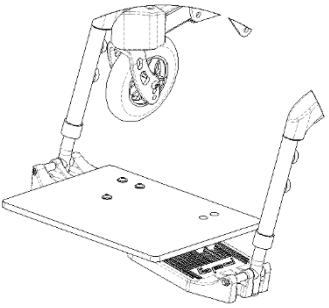

Figure 12.11: One Piece Flip-up Footplates

12.3 Armrests

Adjusting Armrest Height (Dual Post Arms)

Unlock the arm by depressing the black release button on the upper front of the armrest while moving the armrest up or down (Refer to Figure 12.13). Adjust armrest to desired height. The armrest height will 'lock' when the release button pops out of one of the armrest height adjustment holes.

Removing Armrests (Dual Post Arms)

Release the arm assembly by depressing the black release lever on the front the armrest (just above the seat pan) while pulling the armrest up.

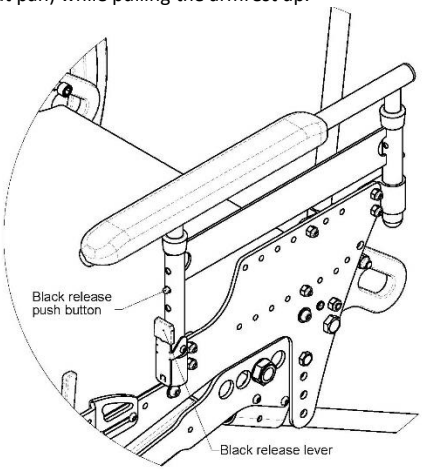

Figure 12.13: *Adjusting armrest height for dual post arms*

Armrest Pads

Check for rips or breaks. If these are present, replace immediately to maintain appearance and comfort. Armrest pad should sit flush against frame. If the pad is cracked or retaining screws are stripped, replace immediately.

12.4 Seat Depth

WARNING – After making adjustments, always make sure that parts are properly tightened BEFORE using the wheelchair.

The seat depth on the Eclipse can be adjusted from 16” to 22”, depending on the position of the backrest post receivers. Seat depths 23” and 24” are achieved through a new seat pan. Figure 12.15 shows the seat depth set-up positions and can be referenced for making adjustments.

Adjusting the Seat Depth

1. The seat depth is adjusted by simply loosening and removing the two ¼-20 Button Head fasteners on each side (see Figure 12.14).
2. Adjusting the back post receiver to the desired position.
3. Retighten the fasteners.

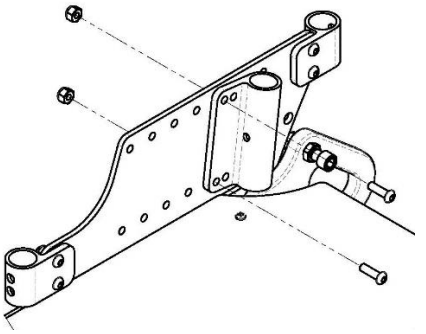

Figure 12.14: *Seat Depth Attachment*

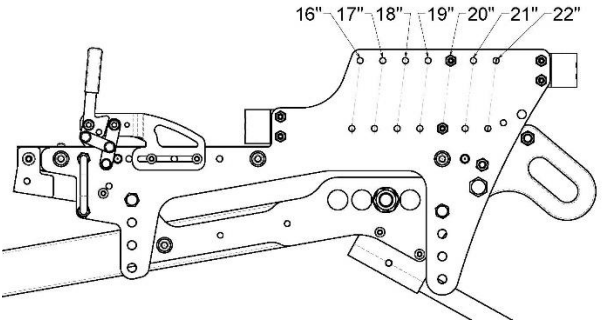

Figure 12.15: *Seat Depth Setup*

12.5 Backrest

WARNING – After making adjustments, always make sure that parts are properly tightened BEFORE using the wheelchair.

Removeable Backrest (Standard)

Removing the backrest

1. Remove the ¼" pin from each side of the back of the backrest
2. Slide the backrest vertically until it is clear of the wheelchair

Re-installing the backrest

1. Slide the backrest in vertically to the backrest receivers until the ¼" pin holes align.
2. Re-install the ¼" pin from each side of the back of the backrest

Adjusting the Back Angle

1. The seat-to-back angle may be set at a range of 90°-120°. Only two (2) bolts need to be removed from each side in order to change the angle.
2. Adjust the bracket to the desired angle and re-install the bolts
3. Retighten the nuts.

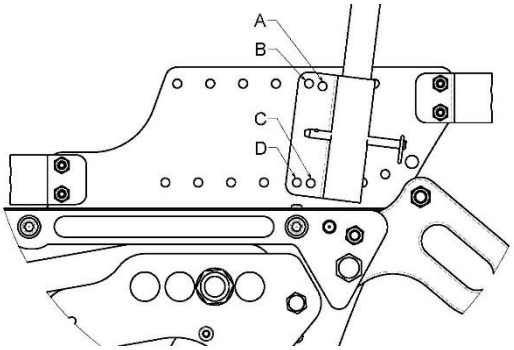

Figure 12.16: *Adjusting the back angle for removeable backrest*

Table 12.1: *Back Angle Setup*

Angle	85°	90°	95°	100°
Bolt position	A C (move A forward to 1" lower depth)	AD	BD	BC

NOTE – The locknuts should be re-used no more than five (5) times to ensure locking material grips. If locknuts are worn, please replace.

12.6 Reclining Backrest (Not compatible with removeable backrest)

The Eclipse wheelchair is available with the option of a manual reclining backrest that allows for up to 30° of backrest recline. It is not compatible with the backrest extension and is 1” narrower than the seat width.

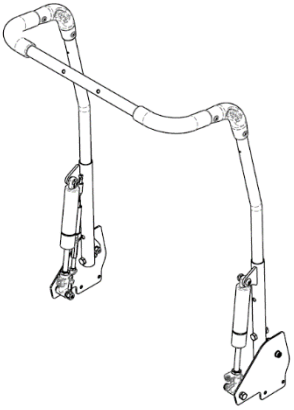

Figure 12.17: Reclining Backrest

12.7 Rear Wheels

Removing/Installing the Rear Wheels/Axles

1. The Eclipse wheelchair is only available with quick-release axles. To remove the wheel, push on the quick-release button and it should release the axle pins allowing for the axle and rear wheel to slide out of the axle receiver.
2. To reinstall the rear wheels, reverse the step and ensure that the axle pins completely release and lock the rear wheels on to the wheelchair.

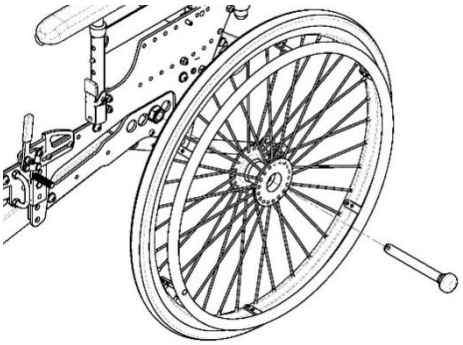

Figure 12.18: *Removing the rear wheel*

WARNING – Do not use chair UNLESS you are sure both quick-release axles are locked. An unlocked axle may come off during use and can cause personal injury.

Rear Wheel Axle Nut Adjustment (For Quick-Release Axles)

The quick-release axle attaches the rear wheel to the axle receiver. When the axle is fully inserted into both the wheel and axle receiver the detent balls will lock the wheel assembly in place. By pushing the button on the quick-release axle the detent balls will be disengaged and wheel can be removed. If the wheel and axle will not lock or alternatively if it is locking into place but there is excessive play when the wheel hub is being pushed back and forth, the nut on the axle needs to be adjusted.

If the axle does not lock:

1. Using a 9/16” open end wrench, securely hold the detent ball end of the axle. (See Figure 12.19)
2. Use the 15/16” open-wide wrench to turn the axle nut counter clockwise.
3. Turn the nut approximately in ½ turn increments.
4. Try to lock the axle into the axle receiver.
5. If it does not lock, repeat steps 3 and 4 until it locks securely.

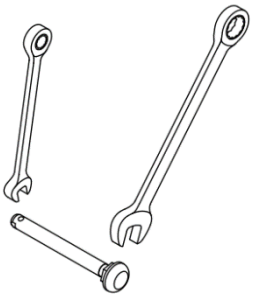

Figure 12.19: *Quick Release Axle Adjustment*

If the axle locks, but there is excessive play:

1. Using a 9/16” open end wrench, securely hold the detent ball end of the axle. (See Figure 12.19)
2. Use the 15/16” open-wide wrench to turn the axle nut clockwise.
3. Turn the nut approximately in ½ turn increments.
4. Insert the axle and test for play.
5. Repeat steps 3 and 4 until the play has be eliminated and the detent balls are fully extended.

IMPORTANT – With the user sitting in the chair, check to ensure the wheelchair is stable in all positions before dispensing the wheelchair.

Adjusting the Rear Axle position

The axle receiver and camber bar can be adjusted forwards or backwards in one of four positions on the lower frame

1. Remove the rear wheel. Unfasten the axle receiver using a 1" wrench. There is a radial through hole present on the camber bar to facilitate axle receiver removal. Place an allen key or screwdriver through this hole to provide counter torque while removing the axle receiver.
2. Move the axle receiver and camber bar to the desired position and reinstall the axle receiver. Reinstall the wheel.
3. See section 12.10 for wheel lock adjustment

IMPORTANT – With the user sitting in the chair, check to ensure the wheelchair is stable before dispensing the wheelchair.

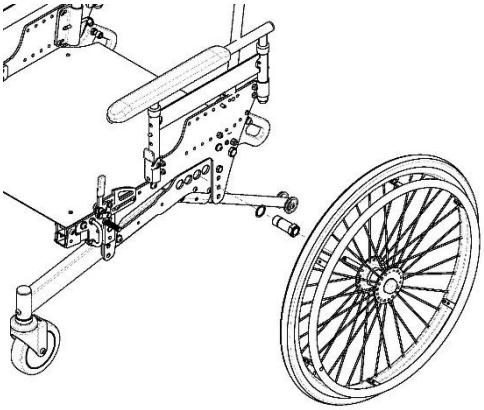

Figure 12.20: Adjusting Rear Axle Position

12.8 Anti-Tip Tubes

Your wheelchair is provided with anti-tip tubes designed to prevent the chair from tipping over backward in most normal conditions.

WARNING - Do NOT operate wheelchair without anti-tippers installed. Anti-tippers are mandatory for safety and warranty protection.

To install the anti-tip tubes:

1. Press and hold the release button on the anti-tip tube. (See Figure 12.21)
2. Insert the anti-tip tube into the receiver as shown until it locks into position.

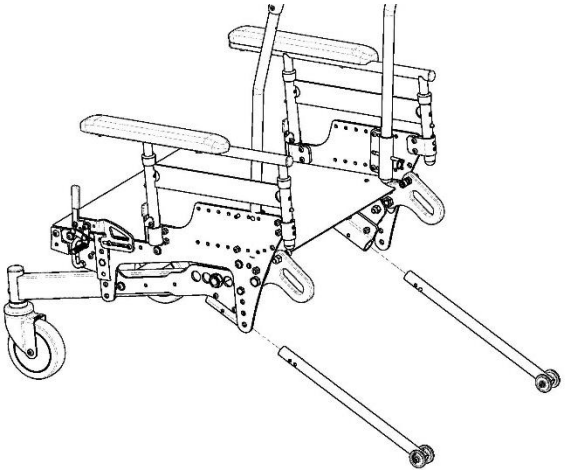

Figure 12.21: *Installing Anti-tip Tubes*

12.9 Front Casters

WARNING – After making adjustments, always make sure that parts are properly replaced and tightened BEFORE using the wheelchair.

Installing/Replacing Caster Forks

1. Remove the M8 bolt
2. Slide out caster fork assembly.
3. Reassemble by reversing steps 1-3.
4. Test the wheelchair for maneuverability.

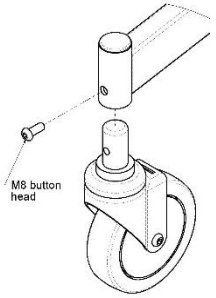

Figure 12.22: *Installing/Replacing Casters*

12.10 Wheel Locks

WARNING – Never attempt to engage wheel locks while the chair is in motion as it could cause you to lose control.

Wheel locks lock the rear wheels and prevent any undesirable movement of the wheelchair.

Wheel lock operation

1. To engage the push to lock wheel lock (see Figure 12.23), push the lever forward, away from the wheel, until it locks into place.
2. To engage the pull to lock wheel lock (see Figure 12.23), pull the lever towards the wheel until it locks into place.

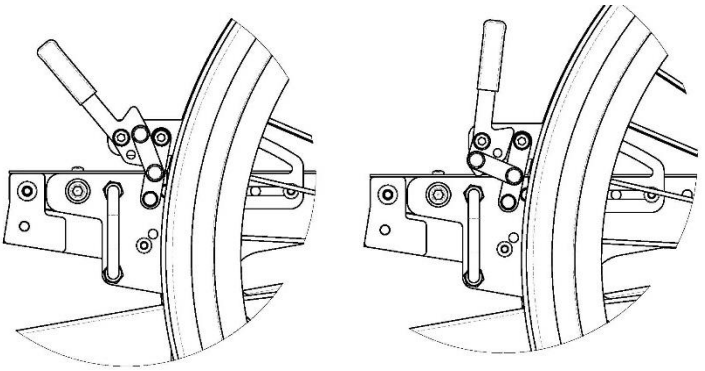

Figure 12.23: *Pull-to-Lock (Left) and Push-to-Lock(Right) Wheel Locks (standard)*

Wheel lock adjustment

1. Remove the two ¼-20 bolts and nuts holding each wheel lock in place
2. Position the wheel lock along the array of holes so that the brake shoe is spaced out from the front of the wheel by about ½" (13mm)
3. Tighten the two ¼-20 bolts and nuts and test the wheel lock to ensure desired performance
4. If the wheel lock does not lock sufficiently, loosen the ¼-20 bolts and nuts and slide the wheel lock towards the wheel slightly. Tighten the bolts and test the performance again.

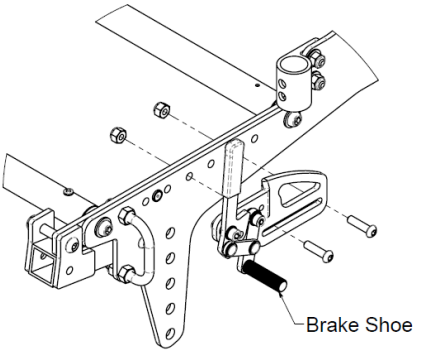

Figure 12.24: Wheel Lock Installation

5. If it is too difficult to engage the wheel lock, loosen the ¼-20 bolts and nuts and slide the wheel lock away from the wheel slightly. Tighten the bolts again and test the performance.

12.11 Seat-To-Floor Height

WARNING – After making adjustments, always make sure that parts are properly replaced and tightened BEFORE using the wheelchair.

The seat to floor height on the Eclipse can be adjusted 14” to 18”, and up to 20” with a seat height extension. The front and rear seat heights can be adjusted independently and the front can be upto 2” higher than the rear. The seat height is adjusted by changing how the upper frame is bolted to the lower frame.

Adjusting Seat to Floor Height

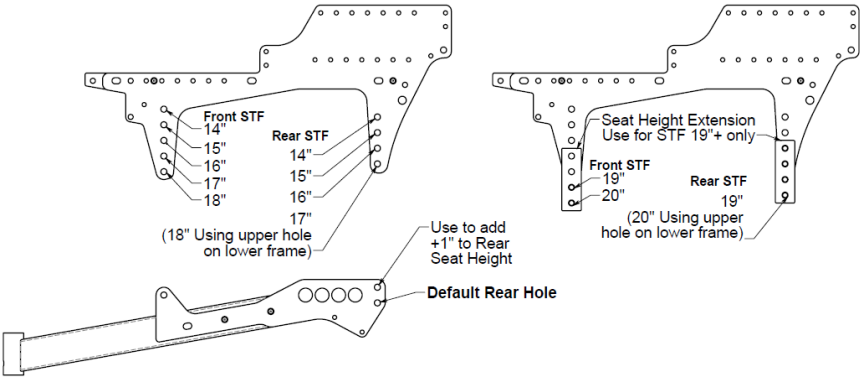

Figure 12.25: *Recommended chair position*

1. Remove the bolts and nuts joining the upper and lower frame as shown in Figure 12.26 using two 9/16” wrenches or sockets.
2. Move the upper frame to the desired position shown in Figure 12.25.
3. Replace the bolts and tighten and check to ensure all screws are nuts are assembled securely.

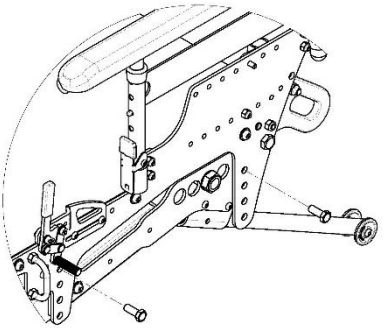

Figure 12.26: *Seat Height Adjustment - Fastener installation*

12.12 Adjustable Angle Push Bar Handle (Optional)

The Eclipse may be purchased with an adjustable angle push bar handle. This handle allows an attendant to change the position of the push bar handle grip, depending on the wheelchair's original configuration.

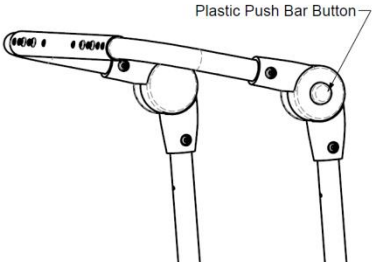

Figure 12.27: *Adjustable push bar handle*

Adjusting Push Bar Angle

1. To adjust the push bar angle, simultaneously press both plastic push bar buttons located on the top of both backrest posts (see Figure 12.27).
2. While the plastic push bar buttons are depressed, adjust the position of the push bar.
3. When the push bar is positioned to satisfaction, release the plastic push bar buttons.

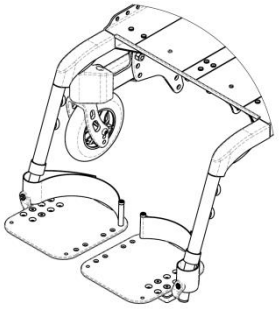

Figure 12.28: *Heel Loops*

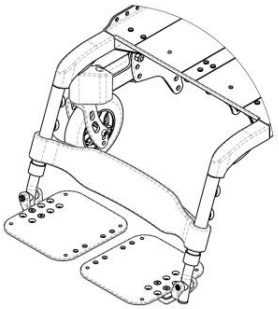

Figure 12.29: *Padded Calf Strap*

12.13 Heel Loops (Optional)

The heel loops are positioned behind the occupant's heels to prevent the feet slipping backwards. Adjust the hook-and-loop strap to obtain the desired length of strap to correctly position the feet on the footrest.

WARNING - Improper positioning of feet may result in accident or injury. Please consult your dealer for proper strap adjustment.

12.14 Padded Calf Strap (Optional)

The calf strap is positioned behind the occupant's lower calves to prevent the legs and/or feet slipping backwards. Adjust the hook-and-loop strap to obtain the desired length of strap to correctly position the feet on the footrest.

WARNING— improper positioning of feet may result in accident or injury. Please consult your dealer for proper strap adjustment.

12.15 Headrest (Optional)

If your chair does not have a rigid backrest cushion, it may be fitted with a head rest mounting on the push bar handle. Otherwise, the head rest will be mounted directly to the rigid backrest.

Removing the Headrest

1. Loosen the “Headrest Height Adjustment Set Screw” and slide the head rest assembly upwards until it is free of the chair (see Figure 12.30).
2. To reinstall the headrest assembly, slide the headrest assembly back in to the desired position and retighten the “Headrest Height Adjustment Set Screw”.

Adjusting the Headrest Position

1. Refer to the manufacturer’s headrest manual to adjust the headrest position.

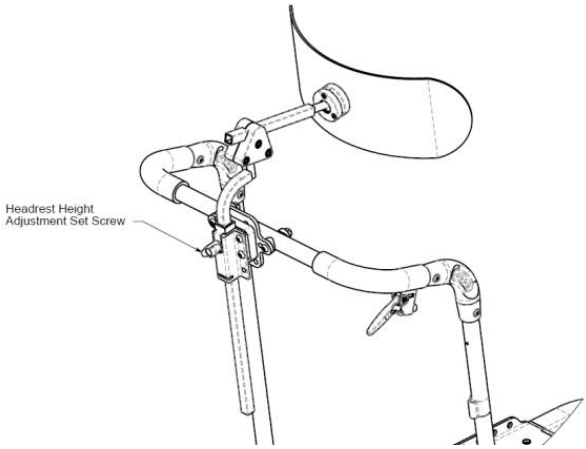

Figure 12.30: *Headrest*

12.16 Postural Support Devices or Lap Belts (Optional)

WARNING- The lap belt is intended for use ONLY as a positioning aid for simple positioning needs, such as posterior pelvic tilt.

This belt will not be sufficient for persons with more involved positioning needs. Only your health care advisor can determine the proper positioning products for your situation. If used improperly, lap belts can cause severe injury or even death. If your health care advisor has instructed you to use lap belts, make sure they instruct you on the proper usage of such belts, and such professional should supervise your use of such belts to ensure you can use them safely.

1. Belts must fit snugly in order to work properly. However, they must not be so snug they interfere with your breathing. Your health care advisor should be able to slide his or her open hand flat between the belt and your body.
2. Make sure you do not slide down in your chair while wearing a belt. If this should happen, you may suffer chest compression or be suffocated due to pressure from the belt.
3. Do not use a positioning or seat belt unless you are capable of removing 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.
4. There are devices that help to keep you from sliding down in the seat of your wheelchair, such as a pelvic wedge. Consult with your health care advisor to find out if you need to use such a device in conjunction with lap belts to mitigate the risks described above.
5. NEVER use lap belts as a motor vehicle restraint. These types of belts are NOT intended to protect the wheelchair rider from the forces involved in a vehicle accident, and they may, in fact, cause you to be injured. PDG requires wheelchair users to ALWAYS transfer to appropriate motor vehicle seating when traveling in a motor vehicle.

NOTE TO ATTENDANTS/ASSISTANTS - NEVER use postural support (lap belt) as a patient restraint (a restraint requires a doctor's order) or on a wheelchair user who is comatose or agitated.

13 MOTOR VEHICLE USE

WARNING – Never use this wheelchair as a seat in a motor or transit vehicle unless it has been equipped with a Transit Tiedown System (TTS). When feasible and possible, the rider should transfer to the vehicle seat and use the vehicle-manufacturer-installed restraint systems, and the unoccupied wheelchair should be stored in a cargo area or secured in the vehicle during travel. Using a wheelchair not equipped with a TTS as a seat in a motor vehicle could result in serious injury or death.

Figure 13.1: *Hook Symbol*

To identify if your wheelchair has been manufactured with PDG's Transit Tiedown System (TTS), look for the presence of the TTS indicated by 4 white hook symbols next to each tie down bracket.

The Eclipse wheelchair equipped with the Transit Tiedown System (TTS) has been tested according to, and passed, the **RESNA WC-4:2012, Section 19: Wheelchair used as seats in motor vehicles and ISO7176-19:2008 Wheelchairs – Part 19: Wheeled mobility devices for use as seats in motor vehicles.** These parts of RESNA and ISO standards address and evaluate the seating part of wheelchair-user occupant-protection systems for wheelchairs that may be used as a seat in motor vehicles as well as create compatibility with Wheelchair Tie-down and Occupant Restraint Systems (WTORS). Thus, for transportation in a vehicle the wheelchair must be restrained from movement using an RESNA WC-4:2017, section 18 wheelchair tiedown system (such as Q'straint S5-6329-11) and the vehicle must be equipped with an RESNA WC-4:2017, section 18 anchor points.

Not all configurations of the Eclipse wheelchair are compatible with the Transit Tiedown Systems (TTS). PDG manages the factory-built configurations and does not offer the Eclipse wheelchair except in compatible configurations. If changes are made to the wheelchair after it has left the factory, the wheelchair provider or PDG should be contacted to ensure it is appropriate to continue to use the wheelchair as a seat in a motor vehicle.

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 inform you if the seating provided with your wheelchair is original equipment or replacement aftermarket seating. A complete system of wheelchair frame, seating, Wheelchair Tie-Down and Occupant Restraint Systems (WTORS) and a properly equipped motor vehicle, that have all complied with the standards mentioned in this section, should be in place before using a Eclipse wheelchair equipped with the Transit Tiedown System as a seat in a motor vehicle.

If your wheelchair is NOT equipped with the Transit Tiedown System (TTS), the wheelchair DOES NOT meet ANSI/RESNA and/or ISO standards for motor vehicles seating and the following warnings should be observed:

1. NEVER let anyone sit in this chair while in a moving vehicle.
2. ALWAYS secure the wheelchair occupant with proper vehicle restraints. In an accident or sudden stop the rider may be thrown from the chair. Wheelchair restraints will not prevent this, and further injury may result from the belts and straps.
3. NEVER transport this chair in the front seat of a vehicle. It may shift and interfere with the driver.
4. ALWAYS secure this chair so that it cannot roll or shift.
5. Do not continue to use any wheelchair that has been involved in a motor vehicle accident.

If your chair is equipped with the Transit Tiedown System (TTS) the below instructions should be followed when the wheelchair is being used as a seat in a motor vehicle:

1. The wheelchair rider must be in a forward-facing position. The wheelchair has been dynamically tested in a forward - facing mode for a 48-km/h frontal impact test.
2. The rider and all carried items must not weigh more than the chair's rated weight capacity.
3. The wheelchair occupant must use a Wheelchair Tiedown and Occupant Restraint Systems (WTORS) that complies with RESNA WC-4:2017, Section 18: Wheelchair tie-down and occupant restraint systems for use in motor vehicles or ISO 10542-1: 2012, Technical systems and aids for disabled or handicapped persons -- Wheelchair tiedown and occupant-restraint systems -- Part 1: Requirements and test methods for all systems.
4. The Eclipse Transit Tiedown System is designed for a four-point (two in the front, two rear) strap-type tiedown system (Figure 13.2). Attach the WTORS in accordance with the manufacturer's instructions and RESNA WC-4:2012, Section 18 or ISO 10542-1:2012- Part 1.

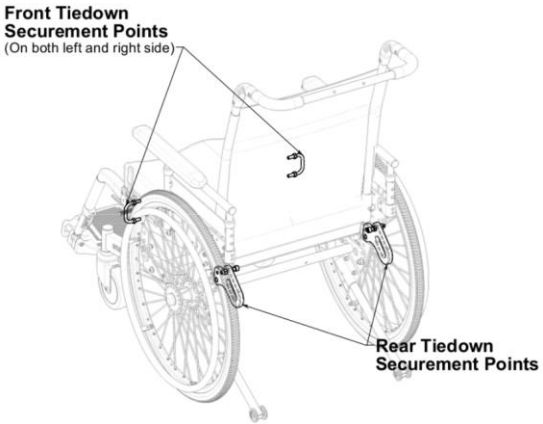

Figure 13.2: *Eclipse Transit Tiedown 4 point securement location*

5. Postural supports (i.e. lap belts, chest straps, shoulder harnesses etc.) and positioning devices and accessories (i.e. headrests, lateral supports etc.) should not be used, or relied on for occupant restraint.
6. Any aftermarket seating should be tested and in compliance with RESNA WC-4:2012, Section 20 or ISO 16840-4:2009 – Part 4.
7. Attach the seating to the wheelchair frame in accordance with the seating manufacturer's instructions and RESNA WC-4:2012, Section 20 or ISO 16840-4:2009 – Part 4.
8. Do not alter or substitute wheelchair frame parts, components or seating.
9. In order to reduce the potential of injury to vehicle occupants, wheelchair-mounted accessories, such as trays and respiratory equipment should be removed and secured separately.
10. Sudden stops or impacts can structurally damage your chair. Chairs involved in such incidents should be replaced.
11. Do not continue to use any wheelchair that has been involved in a motor vehicle accident.

CAUTION - If you fail to heed these warnings, ejection during an accident, damage to your chair, a fall, tip-overs or loss of control may occur and cause severe injury to the rider or others.

14 CONTACTING YOUR SUPPLIER TO OBTAIN SERVICE

PDG has trained customer service representatives in many locations. To find your nearest Customer Service Center, visit our web site at www.pdgmobility.com and click on CONTACTS. If you are uncertain about which CONTACT is most appropriate for your needs, contact PDG directly using telephone, fax, or e-mail contact information. Supply the serial number from the product you are attempting to service and we will be happy to inform you of the supplier who initially provided your product.

15 DAMAGE REQUIRING SERVICE BY QUALIFIED SERVICE AGENT

In some circumstances it may be required that your wheelchair be returned to a Qualified Service Agent for repairs. If any of the following conditions are observed, the wheelchair must be serviced by a Qualified Service Agent:

- Any part of the frame is cracked or broken
- Any weld is cracked or broken

Always contact your Service Agent prior to sending a wheelchair for repairs. For safe and secure shipping, the wheelchair must be boxed or fastened to a pallet to ensure it does not become damaged during shipping. Service agent will provide specific instructions for packaging and shipping your wheelchair. Alternatively, Qualified Service Agent may arrange for pick-up.

16 ISO 7176-15 TEST INFORMATION DISCLOSURE

Table 16.1: *Eclipse Wheelchair Test Configuration*

Seat Width	605mm
Seat Depth	560mm
Backrest Height	450mm
Wheelchair Weight	38kg (84lbs)
Seat Sling	Solid seat pan
Back Upholstery	Sling fabric backrest
Wheels	24” (580mm x 30mm) Heavy Duty Spoke urethane wheel
Casters	5” (127mm x 32mm) Caster with Heavy Duty Steel Fork.
Footrest	Plug-in front rigging with composite footplates
Other options	
Mass of ATD	272 kg (600lbs)
Max. User Weight	272 kg (600lbs)

Table 16.2: *Eclipse wheelchair performance values – Disclosure information (ISO 7176-15)*

Feature	Min	Max	Feature	Min	Max
Overall length with legrest	1180 mm	1180 mm	Seat plane angle	-8.34°	-8.34°
Overall width	696 mm	1391 mm	Effective seat depth	406 mm	559 mm
Folded length	n/a	n/a	Effective seat width	508 mm	1219 mm
Folded width	n/a	n/a	Seat surface height at front edge	355 mm	508 mm
Folded height	n/a	n/a	Backrest angle	-5°	10°
Total mass	32.8 kg		Backrest height	500 mm	500 mm
Mass of heaviest part	20 kg		Footrest to seat distance	290 mm	390 mm
Static stability downhill	>12.0°	>12.0°	Leg to seat surface angle	80°	105°
Static stability uphill	10.3°	>12.0°	Armrest to seat distance	710 mm	790 mm
Static stability sideways	>10.0°	>10.0°	Front location of armrest structure	n/a	n/a
Energy consumption	n/a	n/a	Hand rim diameter	520 mm	520 mm
Dynamic stability uphill	n/a	n/a	Horizontal location of axle	n/a	n/a
Obstacle climbing	n/a	n/a	Minimum turning diameter	1545 mm	
Minimum braking distance from max speed.	n/a	n/a	Maximum speed forward	n/a	n/a

The wheelchair confirms to the following standards:

a) Requirements and test methods for static, impact and fatigue (ISO 7176-8) Yes ☒
b) Requirements for resistance to ignition in accordance with (ISO 7176-16) Yes ☒

The Eclipse wheelchair conforms to the test methods for static, impact and fatigue strength as required by ISO 7176-8.

17 LIMITED WARRANTY

PLEASE NOTE – THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4th, 1975.

This warranty is extended only to the original purchaser/user of our products.

This warranty gives you specific legal rights and you may also have other legal rights, which vary from state to state.

PDG warrants its product, except for the seat cushion (which is not warranted), to be free from defects in materials and workmanship for a period of one (1) year from date of purchase. The side frames and cross members are warranted for the lifetime of the original purchaser/user. If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced, at PDG's option.

This Warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. PDG's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service, please contact the dealer from whom you purchased your PDG product. In the event you do not receive satisfactory warranty service, please write directly to PDG at the address on the back cover page, provide dealer's name, address, and date of purchase, indicate nature of the defect and, if the product is serialized, indicate the serial number. Do not return products to our factory without our prior consent. Limitations and exclusions: the foregoing warranty shall not apply to serial numbered products if the serial number has been removed or defaced, products subjected to negligence, accident, improper operation, maintenance or storage, products modified without PDG's express written consent including, but not limited to, modification through the use of unauthorized parts or attachments; products damaged by reason of repairs made to any component without the specific consent of PDG, or to a product damaged by circumstances beyond PDG's control, and such evaluation will be solely determined by PDG . The warranty shall not apply to problems arising from normal wear or failure to adhere to these instructions. The foregoing express warranty is exclusive and in lieu of any other warranties whatsoever, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose, and the sole remedy for violations of any warranty whatsoever, shall be limited to repair or replacement of the defective product pursuant to the terms contained herein . The application of any implied warranty whatsoever shall not extend beyond the duration of the express warranty provided herein. The manufacturer shall not be liable for any consequential or incidental damages whatsoever. This warranty shall be extended to comply with state/provincial laws and requirements

18 EUROPEAN UNION REGULATORY INFORMATION

Authorized Representative:

Advena Ltd
Tower Business Centre, 2nd Flr,
Tower Street, Swatar, BKR 4013
Malta

CE Certificate Number:

CE/CAN/2001/05/03

UDI-DI for the Eclipse:

B829111

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