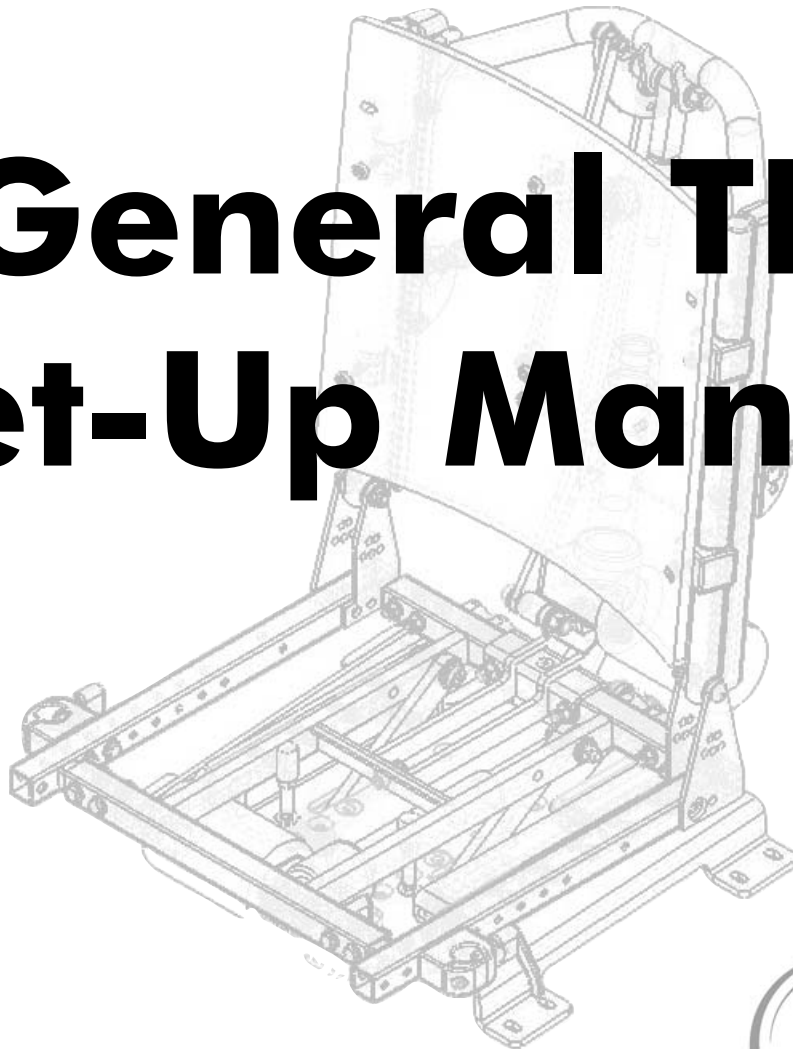




General TRx Set-Up Manual



i Important! This manual contains important information related to system set-up and adjustments. To properly address the needs of the client, please read the content of this manual, as well as the **TRx Owners Manual** and appropriate **TRx Installation Manual**.

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Safety Symbols:

Using your TRx Power Positioning System safely depends upon your diligence in following the warnings, cautions and information provided in this manual. The safe set-up and operation of the seating system also depends on your own good judgement and common sense, as well as that of your provider, caregiver and/or health professional.

The symbols below are used throughout this manual to identify warnings, cautions and important notes. It is very important for you to read and understand them completely.



CAUTION! Failure to heed the cautions in this manual may result in damage to your TRx Power Positioning System.



WARNING! Failure to heed the warnings in this manual may result in personal injury.



Important! Important information to remember when operating your TRx system

1.0 Before You Start - Important!

i Important: *Do not ignore unanswered questions. The Client has the right to understand the product and all aspects of its operation. If necessary, please contact Motion Concepts for information regarding any questions or concerns expressed.*

The most important link in the delivery chain is the end user. The user must be satisfied with the product in terms of function, safety and aesthetics. No sale is complete unless the end user receives thorough training in all aspects of the care and use of the system.

Motion Concepts Power Positioning Systems are designed to accommodate a wide range of user needs. Only the dealer and the health care professional can ensure that the system meets the user's individual requirements. It is the dealer's responsibility to ensure that the wheelchair and the power positioning system are set up properly and safely for the end user's specific needs.

Stability

By changing the seating position (tilting, reclining, or elevating), the user is changing the stability characteristics of the wheelchair. It is very important that the system is set up so that it is stable in all seating positions. When evaluating stability, remember the following:

Most TRx systems can be mounted onto the powerbase in various fore and aft positions. Make certain that the position selected provides the user with maximum stability over the full range of seating positions.

Consider all personal gear and accessories (backpacks, vent systems, extra batteries, etc..) that will be carried on the wheelchair. For example, a loaded backpack, attached to the back of the seating system, can significantly reduce the rearward stability of the wheelchair.

Consider the backrest being used. For example, a recessed back can shift the user's center of gravity back and significantly reduce the rearward stability of the wheelchair. Conversely, a thick back cushion will shift the user forward and reduce the wheelchairs forward stability.

If using a back other than Motion Concepts, check with manufacturer to ensure it is suitable for power positioning systems.

Consider the seat cushion being used. A thick seat cushion will raise the user's center of gravity and reduce the wheelchairs stability in all directions.

All TRx systems are equipped with drive lockouts. Make sure this is set so as not to compromise the user's stability while driving.

All power-bases have programmable controllers which allow adjustment of the maximum acceleration and deceleration of the wheelchair. Make sure that these are set to an appropriate level for the system and for the user.

Ensure all medical conditions are considered when setting up the wheelchair. Involuntary muscle movement such as spasming may affect the stability of the wheelchair, especially when the seating system is in a tilted or reclined position.

When a system is fully tilted or reclined, the front wheels of the powerbase should **never** come off the ground. If this occurs, please contact the Motion Concepts Technical Service Department immediately to resolve the issue.

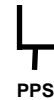
1.0 Before You Start - Important!

! WARNING! *The total user weight should never exceed (the lesser of) the calculated wheelchair weight capacity or the designated power positioning system (PPS) weight capacity.*

Weight Capacities

Several factors must be considered when determining the Total User Weight and the Wheelchair Weight Capacity. To obtain the weight capacity data from the base manufacturer, please refer to the Powerbase Owners Manual. Please refer to the Weight Capacity Calculator outlined below in order to calculate the total user weight and the wheelchair weight capacity.

i) Weight Capacity Calculator



Calculating Wheelchair Weight Capacity:		
Weight capacity of base manufacturer's wheelchair (see Powerbase Owners Manual)		_____
Weight of the original wheelchair seat that is being replaced (if the original wheelchair seat is being re-installed, enter zero)	+	_____
Weight of the TRx Power Positioning System (refer to p.6, ii. PPS Weight)	-	_____
Weight of auxiliary equipment (cushions, headrest, vent, vent battery, etc)	-	_____
Wheelchair Weight Capacity	=	_____ A
PPS Weight Capacity: (refer to p.6, iii. PPS Weight Capacity)	=	_____ B
Calculating User Weight:		
Weight of user (incl. clothing, footwear, jacket, etc)		_____
Maximum Weight of personal gear (knapsack and contents, books, etc)	+	_____
Total User Weight	=	_____ C
*** (C must be less than A and C must be less than B)***		

i Important: If you have any concerns or questions regarding weight capacities, or if the total **User Weight** is determined to be greater than the **Wheelchair** and/or **PPS Weight Capacity**, please contact our Technical Service Department immediately

1.0 Before You Start - Important!

ii) Power Positioning System (PPS) Weight

The weight of a specific power positioning system can be obtained from Motion Concepts by contacting our Customer Service department*. Insert the PPS Weight into the **Weight Capacity Calculator** (p.5) to verify that the Total User Weight does not exceed the calculated Wheelchair Weight Capacity.

If there are any questions or concerns with the calculation, please contact Motion Concepts for assistance.

***Note:** If a suitable weight scale is available at the Dealer facility, the PPS Weight can be readily determined by simply weighing the TRx Seating System prior to installation.

iii) Power Positioning System (PPS) Weight Capacity

The weight capacity** of the power positioning system can be obtained from Motion Concepts by contacting our Customer Service department. Insert the specified PPS Weight Capacity into the **Weight Capacity Calculator** (p.5) in order to verify that the Total User Weight does not exceed the PPS Weight Capacity.

If there are any questions or concerns with the calculation, please contact Motion Concepts for assistance.



2.0 Installation Requirements

Training

Installation of the TRx tilt system and related equipment must only be done by a trained technician. If you are not certified as an installer, please arrange immediately for training by a Motion Concepts technician or sales agent who has been certified to teach installation. Every effort will be made to accommodate your training needs.

Manuals

Before proceeding with the installation of the TRx power positioning system, please ensure that no pages are missing from this set-up manual. Please be certain to also read the TRx Owners Manual and the TRx Installation Manual for additional set-up and safety information. (**Note:** *it is equally important to read through the Powerbase Owners Manual for important safety and operating information related to the power wheelchair*).

If you have any questions or concerns regarding this, or any other Motion Concepts Manual, please contact our Technical Service Department for assistance.

Hardware and Components



WARNING! The hardware supplied with TRx systems is high strength. **Do not substitute hardware. Use only the hardware supplied with the seating system.**

Unless otherwise indicated, all the hardware and components required to complete the installation will be provided by Motion Concepts. Refer to the **Installation Overview Drawing** in Section 3.0 of the TRx Installation Manual for specific details on the size, type and configuration of the mounting hardware. Before beginning an installation, please ensure that all indicated components have been provided. If any hardware or component is determined to be missing, please contact Motion Concepts immediately for replacement.

Tools

Installation tools may vary depending on the TRx seating system. The following list identifies the common tools required for most installations: (*Please refer to the TRx seating system Installation Manual for an accurate list of tools needed to complete the installation*).

Wrenches: 7/16", 1/2", 9/16"

Socket wrenches 7/16", 1/2", 9/16"

Allen keys: 1/4", 3/16", 5/16"

Phillips Screwdriver

Rubber mallet

Plastic Hammer

Inclinometer

Steel Hammer *

1/8" Drill bit *

Drill *

Cable ties

* Required if re-pinning the actuator

3.0 Pinning the Actuator

WARNING!

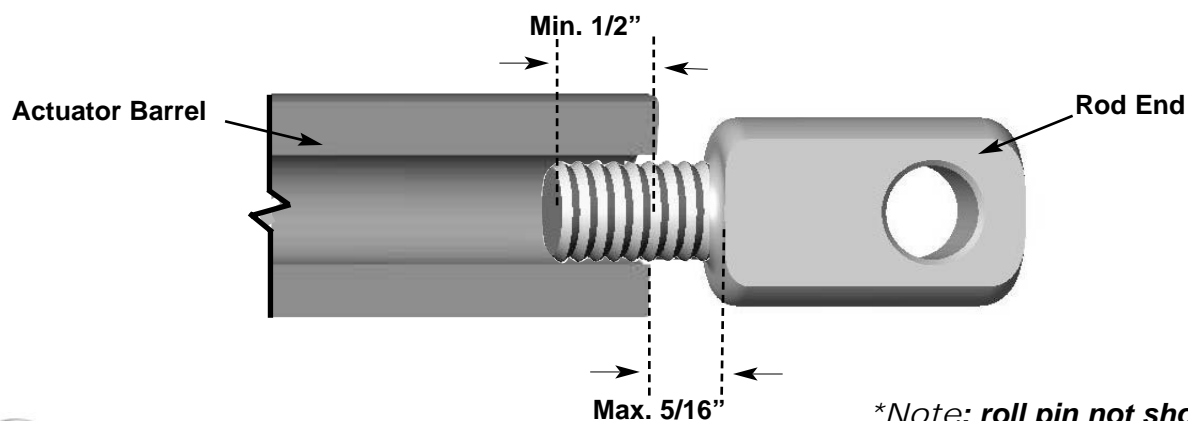
All tilt and recline actuators must be pinned before being operated. This will prevent the actuator barrel from unwinding and disengaging from the rod-end. Every Motion Concepts tilt and recline actuator should either be factory pinned, or supplied with a pin for installation by a trained technician.

PINNING THE ACTUATOR

Position the seat or back at the desired initial angle. For safety, the rod-end threads must extend at least 0.50" into the actuator barrel. If the desired initial angle adjustment does not allow for at least 0.50" of thread, contact Motion Concepts and request a longer rod-end. Once the proper rod-end is positioned correctly, use the hole in the actuator barrel as a locator to drill a 1/8" hole through the rod-end. Knock the roll pin (1/8" diameter x 1 1/8" long) all the way into the hole so that it protrudes 1/16" on both sides.

NOTE:

Any adjustment to the initial angle will require a new hole to be drilled through the rod-end. Never use a rod end with more than two holes drilled into it (including the hole being pinned). Make sure that any secondary hole is drilled at a sufficiently different orientation on the rod-end so as to provide proper and complete pinning, and not compromise the strength of the rod-end.



4.0 Setting Tip Switches & Mechanical Switches

! WARNING! The angle at which the limit switches are set is critical to the safe operation of the power positioning system. Motion Concepts will not be liable for any injuries or damage sustained when adjustments are made beyond the factory recommended range. These switches should only be adjusted and set by a trained Technician.

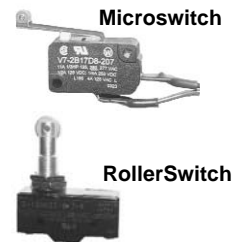
! WARNING! When making adjustments to any mercury switches, the powerbase must be on a level surface to ensure the accuracy of the switch settings.

Standard Limit Switches:

Mercury/ Tip Switches: *Mercury Switches* are used for up to four separate functions on the TRx power positioning systems: setting the *drive lockout (DLO)*, setting the *tilt limit*, setting the *limit for the anti-tipper latch*, and setting the *elevating seat lockout*. These limits are set approximately at the factory, but must be checked (and adjusted if necessary) after an installation is completed. To adjust the switch angle, loosen the clamping nut, make the adjustment, and re-tighten the nut. For safety reasons, Motion Concepts does not recommend making adjustments beyond the factory recommended range.



Mechanical Switches: *Microswitches* are often used to set the DLO inhibit, and/or to set the anti-tipper latch (when required) on TRx power positioning systems equipped with Power Elevating Seats. *Roller Switches* are typically used to set the DLO inhibit on the Latitude power positioning system and as a down limit switch on bariatric systems. Mechanical Switches are set at the factory but must be checked after installation. (**Note:** Mechanical switches may also be utilized on other custom TRx power positioning systems to set limits and/or the drive lockout).



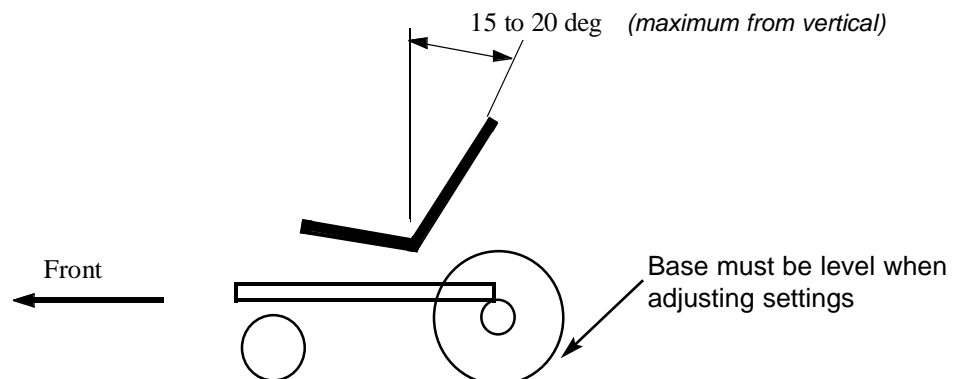
i. Setting the Drive Lockout for Tilt/Recline Systems

All TRx systems with tilt and/or recline functions are supplied with a drive lockout switch. This prevents the drive motors from operating if the back is positioned beyond a pre-determined angle. The **recommended drive lockout angle is 15° to 20°** from the vertical* (see diagram below). The mercury switch for the drive lockout is identified by a **RED** colored end. After the angle has been set, ensure the drive lockout is tested. Further adjustments may be required.

Note: For any tilt-only (no recline) seating system the DLO limit switch is typically mounted to the seat frame, and for a Tilt/ Recline seating system the DLO switch is typically mounted to the side of the relay box (on the back pan).

Important: If the drive is locked out when the switch angle is adjusted, the tilt or recline will have to be activated again before re-testing the drive lockout. The drive lockout will remain engaged until the tilt or recline has been activated, regardless of the switch angle.

***Note:** the Drive Lockout limit should always be set to the angle that best meets the individual needs of the user and overall stability of the wheelchair. However, the back angle should not exceed the maximum 20° angle.



4.0 Setting Tip Switches & Mechanical Switches

ii. Drive Lockout Microswitch for Power Elevating Seats

All TRx systems with Power Elevating Seats (PES) are equipped with a microswitch for the drive lockout. This microswitch prevents the drive motors from functioning when the seat actuator is **elevated beyond a recommended 1/2" limit** [measured from the home (lowest) position]. The microswitch/drive lockout functions as a 'normally closed' circuit. This provides a fail safe operation. As soon as the seat is elevated over the 1/2" limit, the switch is opened and the drive lockout is engaged.

The microswitch is typically mounted to the underside of the seating system and is attached to an actuator mounting plate in either a vertical or horizontal position (depending on the seating system). See images below illustrating both mounting orientations. Ensure the drive lockout microswitch is tested after installation. Further adjustments may be required.



eg. Horizontally mounted microswitch on a PES system with tilt/recline



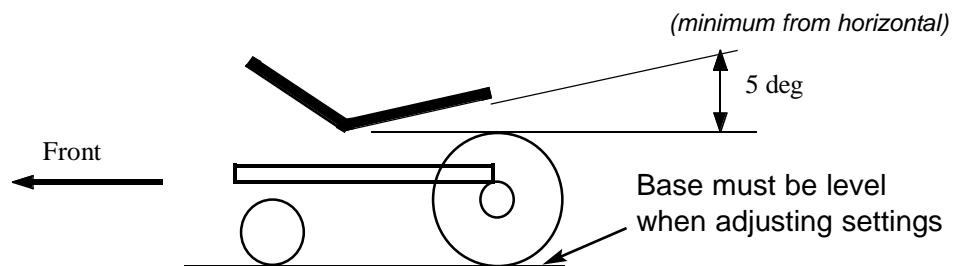
eg. Vertically mounted microswitch on an elevate-only seating system

iii. Setting the Tilt Limit Switch

All TRx systems with tilt and/or recline functions (power or manual recline) are available with a tilt limit function. This function prevents the back angle from extending beyond a pre-set angle. The correct tilt angle limit differs for each installation. The limit switch should be set so that with any combination of tilt and recline, there is no chance of interference between the back of the TRx system and the wheelchair base or any accessories located at the back. The **recline angle should never extend beyond 5° from the horizontal**[^] (see diagram below). The mercury switch used for the tilt limit on the seating system is colored **BLACK**. After the tilt angle has been set, ensure the tilt limit is tested. Further adjustments may be required.

Note: For any tilt-only (no recline) seating system the tilt limit mercury switch is typically mounted to the underside of the seat frame, and for a Tilt/ Recline seating system, the mercury switch is typically mounted to the side of the relay box mounting bracket (on the back of the system).

^Note: the tilt limit switch will need to be set to best meet the needs of the user, and ensure the overall stability of the wheelchair. However, the recline angle should not be permitted to extend beyond the recommended 5°.

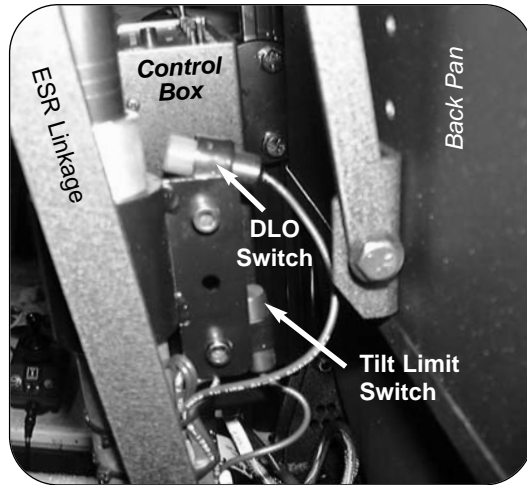


4.0 Setting Tip Switches & Mechanical Switches

iii. Setting the Tilt Limit Switch (...cont'd)

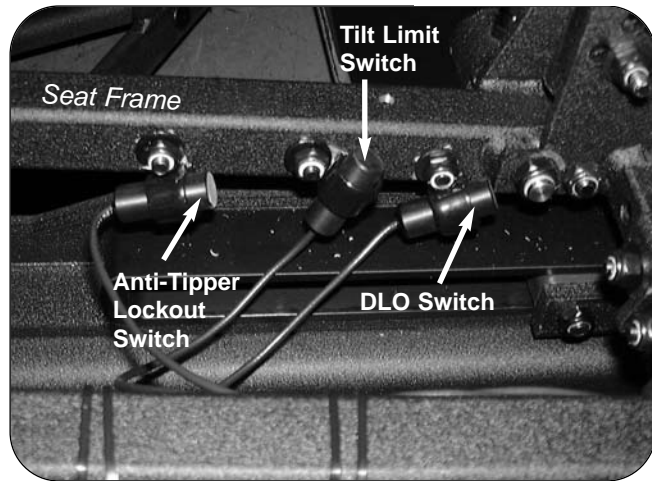
The following images show examples of typical limit switch mounting positions on our TRx seating systems. **Note:** the mercury switches are normally mounted on the control box mounting bracket for systems with tilt/recline, and to the underside of the seat for systems with tilt-only.

VIEW from right* side (*when sitting in the chair)



e.g.- CG-Tilt System with Recline

DLO = Drive Lockout



e.g.- Tilt-Only System with Anti-Tippers

iv. Setting the Limit Switch for the Anti-Tipper Latch

These limit switches are found only on TRx systems equipped with an anti-tipper latching system:

- 1) For tilt-only, recline-only and tilt/recline systems with anti-tip, a mercury switch is used to set the back angle at which the anti-tipper latches engage. The mercury switch for the anti-tipper latch is identified by a **YELLOW** colored end.
- 2) For Power Elevating Seat (PES) systems, a separate Microswitch is used to control when the anti-tipper latches engage. The microswitch is mounted to the underside of the seating system and works in combination (mounted side by side) with the drive lockout microswitch for PES. (Refer to **Part ii. Drive Lockout Microswitch for Power Elevating Seats**).

The switches should be set as follows:

Tilt-Only Systems: The limit switch for the anti-tipper latching system should be set to **engage when the seat angle is at 10°**, regardless of what the pre-tilt is. (**Note:** This anti-tip limit switch is typically mounted to the side of the seat frame for tilt-only systems).

Tilt/Recline Systems & Recline-Only Systems: The limit switch for the anti-tipper latching system should be set to **engage when the back reclines 10°** from the upright position. (**Note:** This anti-tip limit switch is typically mounted to the side of the control box mounting bracket (on the back of the seating system)).

PES Systems: The microswitch for the anti-tipper latching system should be set to engage when the seat actuator has been **elevated beyond a recommended 1/2" limit**. (measured from the seat's home (lowest) position.) (**Note:** If the seating system has PES combined with Tilt and/or Recline, two switches (mercury & microswitch) will be required to set the the anti-tipper latching system).

Ensure the anti-tipper latching system is tested after the limit switches have been set. Further adjustments may be required.

4.0 Setting Tip Switches & Mechanical Switches

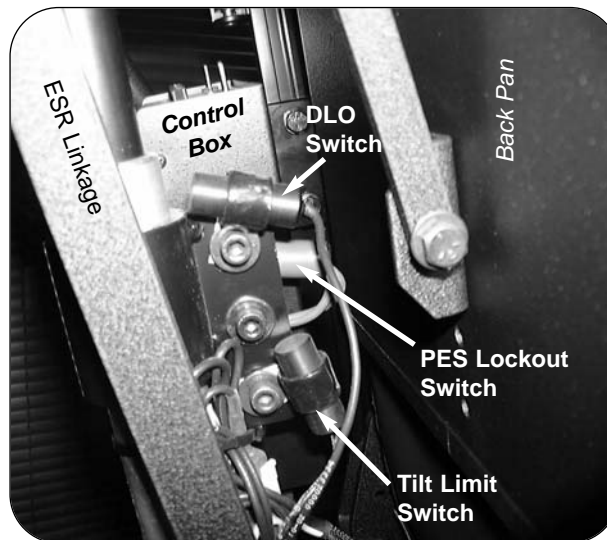
v. Setting the PES Lockout Limit Switch for Tilt-Elevating Systems

All TRx systems with tilt and/or recline functions (power or manual recline) in combination with a power elevating seat, are equipped with a power elevating seat (PES) lockout limit switch. This limit switch prevents the PES actuator from elevating when the seating system is tilted and/or reclined beyond a set position. The limit switch is factory set to lockout the PES actuator if the tilt and/or recline angle increases beyond a maximum 8° from the seating system's original pre-tilt ("home") position. The **recommended lockout setting/range should be between 3° and 8°**.

The limit switch used to set the elevating actuator lockout is identified by a **WHITE** colored end. For PES systems with tilt *and* recline (*example 1. below*), the limit switch is typically mounted to the side of the control box mounting bracket (on the back of the seating system). For a PES system with tilt-only, the limit switch is typically mounted to the side of the seat frame (*see example 2. below*).

After the switch angle has been set, ensure that the elevating actuator lockout is tested. Further adjustments may be required.

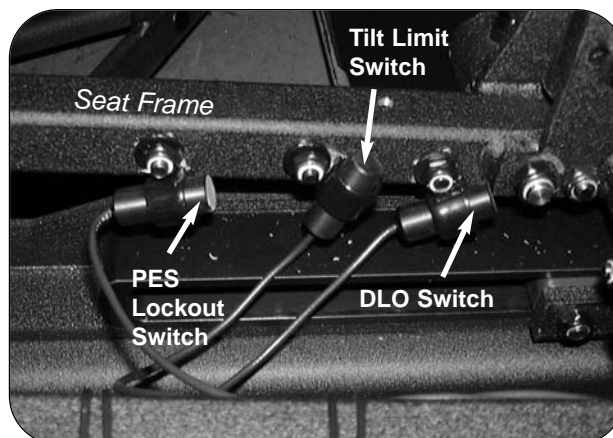
example 1:
PES System with Tilt & Recline



*Note: DLO = Drive Lockout

View from the right side of the chair (when seated)

example 2:
PES System with Tilt-Only

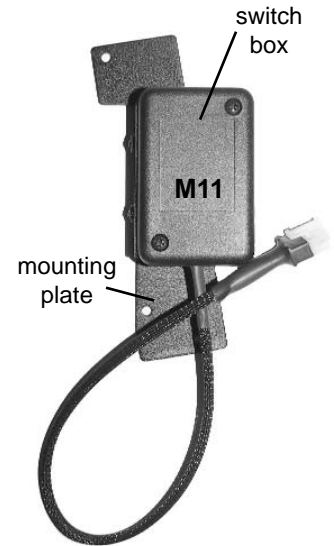


4.0 Setting Tip Switches & Mechanical Switches

Specialized Limit Switches:

i. Setting/ Programming the M11 Tippy Angle Switch

The M11 tippy angle switch is only compatible with Motion Concepts *Super Helix* control boxes. The M11 tippy switch box is mounted vertically to the controller or controller bracket via a mounting plate. The M11 is always installed so that it faces the *right* side of the chair when opened for programming. Two internal jumpers (J1,J2) are pre-set at the factory based on the type of Tippy Switch (see *Jumper Settings below*). The tippy angle switch is designed to monitor the angle of the wheelchair seat back and provides limit signals for up to 4 chair positions (*Anti-Tip/ Home, Reduced-Speed Drive¹, Drive Lockout (DLO) & Tilt/Recline Limit*). These limits are set via 4 push-button sensors located inside the switch box (**Note:** each sensor has a corresponding LED light above it). The unit is typically shipped with factory preset angles of 10°, 15°, 25° respectively for limits 1-3. Limit 4 (Tilt/Recline Limit) is typically set at the factory to the maximum tilt/ recline angle. (*This angle may vary depending on the type of seating system*).



¹**Reduced-Speed Drive:** limits the speed of a chair within an established tilt range and serves as an additional safety feature to the drive lockout (DLO). (**example:** with *Reduced-Speed Drive* set at 10° and *DLO* set at 20°, a wheelchair will travel at full speed up to a 10° back angle, and travel in reduced-drive between 10-20° (stopping at the *DLO* limit).

When initially connected or reset, all four LED lights should be lit inside the tippy switch. The default limit settings can be manually reset by pressing any 2 buttons simultaneously. To program the Tippy Switch, ensure the chair is placed on a level surface in its full upright position. Ensure Jumpers are configured properly. From the upright position, move the seat to the angle at which you wish to establish the *Anti-Tip/ Home* limit position (Limit 1). Wait 5 seconds then press and hold the Limit 1 push button on the sensor to set the angle; the corresponding LED will flash 3 times then go out to indicate that the limit is accepted. Continue setting the remaining limits in succession (*Limit 2... 3... 4*) by adjusting the seat to the desired angle and pressing the corresponding push-button to set the limit. (**Note:** to set *Limit 4* on a system with combined tilt & recline functions, first tilt the system fully, then recline the system to the desired angle/ limit).

i Important! Each successive angle setting must be greater than the previous one by **at least 5°**. If any of the available limit functions are not used, then set the unused limit to the same angle as the next limit in succession.

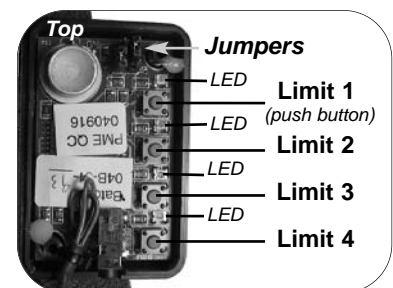
⚠ WARNING! to ensure proper function, **do not** remove the Tippy Switch from the mounting plate at any point during or after programming.

Jumper Settings:

Jumpers (J1, J2) are pre-set at the factory based on the type of Tippy Switch:
Setting for the **M11** tippy = J1- **OFF**; J2- **ON**

Limit Settings:

- ♦ Limit 1 -**Anti-Tip/Home** (recommended setting= **0-10°**)[^]
- ♦ Limit 2 -**Reduced-Speed Drive** (recommended setting= **10-20°**)*
- ♦ Limit 3 -**Drive Lockout** (recommended setting= **20-25°**)*
- ♦ Limit 4 -**Tilt Limit** (standard setting at maximum tilt/recline)



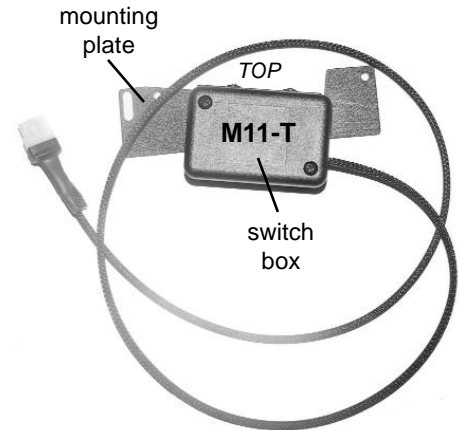
[^]**Note:** typical *Anti-Tip* setting= 10°; the *Home* setting is required for certain systems such as PES and Lateral Tilt; the 'Home' angle will vary depending on the system configuration.

***Note:** to ensure safe operation of the wheelchair, the Reduced Drive limit should not exceed the recommended 20°, and the DLO limit should not exceed the recommended 25°.

4.0 Setting Tip Switches & Mechanical Switches

ii. Setting/ Programming the M11-T Tippy Angle Switch

The M11 tippy angle switch is only compatible with Motion Concepts *Super Helix* control boxes and is used exclusively with **Tilt-Only systems**. The M11-T tippy switch box is mounted horizontally and is always installed on the *left* side of the inner *seat frame*. Two internal jumpers (J1,J2) are pre-set at the factory based on the type of Tippy Switch (see *Jumper Settings* below). The tippy angle switch is designed to monitor the angle of the wheelchair seat back and provides limit signals for up to 4 chair positions (*Anti-Tip/ Home, Reduced-Speed Drive¹, Drive Lockout & Tilt Limit*). These limits are set via 4 push-button sensors located inside the switch box (**Note:** each sensor has a corresponding LED light above it). The unit is typically shipped with factory preset angles of 10, 15 & 25° for Limits 1-3 respectively. Limit 4 (Tilt Limit) is typically set at the factory to the maximum tilt angle (*this angle may vary depending on the type of seating system*).



¹**Reduced-Speed Drive:** limits the speed of a chair within an established tilt range and serves as an additional safety feature to the drive lockout (DLO). (**example:** with *Reduced-Speed Drive* set at 10° and *DLO* set at 20°, a wheelchair will travel at full speed up to a 10° back angle, and travel in reduced-drive between 10-20° (stopping at the DLO limit).

When initially connected or reset, all four LED lights should be lit inside the tippy switch. The default limit settings can be manually reset by pressing any 2 buttons simultaneously. To program the Tippy Switch, ensure the chair is placed on a level surface in its full upright position. Ensure Jumpers are configured properly. From the upright position, move the seat to the angle at which you wish to establish the *Anti-Tip/ Home* limit position (Limit 1). Wait 5 seconds then press and hold the Limit 1 push button on the sensor to set the angle; The corresponding LED will flash 3 times then go out to indicate that the limit is accepted. Continue setting the remaining limits in succession (*Limit 2... 3... 4*) by adjusting the seat to the desired angle and pressing the corresponding push-button to set the limit.

i Important! Each successive angle setting must be greater than the previous one by at least 5°. If any of the available limit functions are not used, then set the unused limit to the same angle as the next limit in succession.

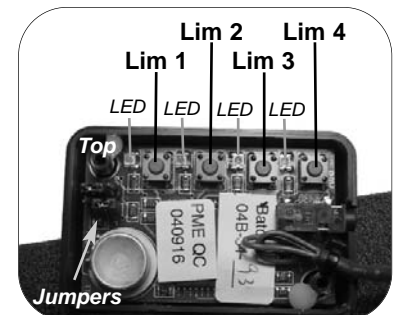
⚠ WARNING! to ensure proper function, **do not** remove the Tippy Switch from the mounting plate at any point during or after programming.

Jumper Settings:

Jumpers (J1, J2) are pre-set at the factory based on the type of Tippy Switch:
Setting for the **M11-T** tippy = J1- **ON**; J2- **OFF**

Limit Settings:

- ♦ Limit 1 -**Anti-Tip/Home** (recommended setting= **0-10°**)[^]
- ♦ Limit 2 -**Reduced-Speed Drive** (recommended setting= **10-20°**)*
- ♦ Limit 3 -**Drive Lockout** (recommended setting= **20-25°**)*
- ♦ Limit 4 -**Tilt Limit** (standard setting at maximum tilt)



[^]**Note:** typical *Anti-Tip* setting= 10°; the *Home* setting is required for certain systems such as PES and Lateral Tilt; the 'Home' angle will vary depending on the system configuration.

***Note:** to ensure safe operation of the wheelchair, the *Reduced Drive* limit should not exceed the recommended 20°, and the *DLO* limit should not exceed the recommended 25°.

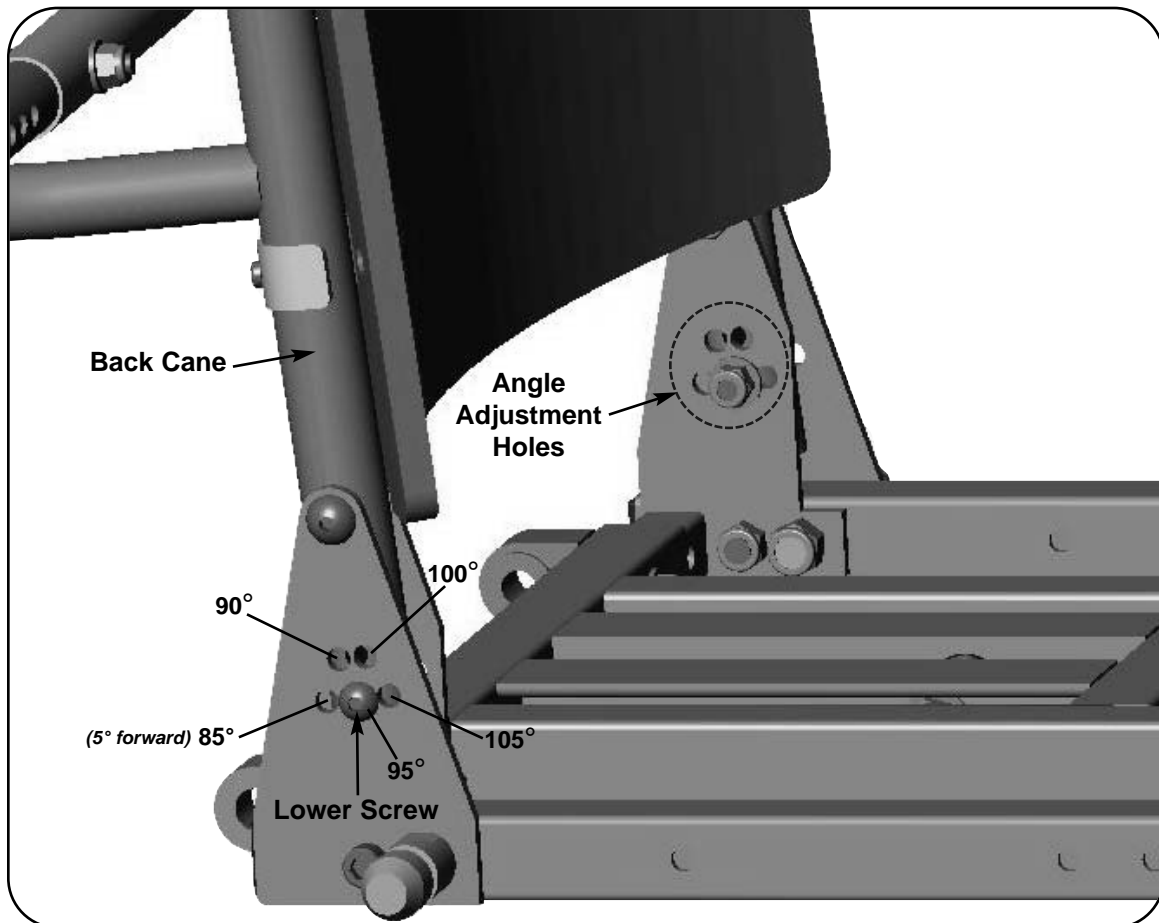
5.0 Back Angle Adjustments

Back Cane Adjustments

Please Note: This section is applicable for Tilt-Only systems.

The TRx tilt back canes are angle adjustable. There is an available back angle range of 20° from the most posterior position to the most anterior position. The pre-set (default) mounting position is 95° (as illustrated below). If a different angle is required, follow steps 1 to 3 to adjust the back angle.

1. Remove the lower screw from both the right and left canes.
2. Tilt the canes in either the posterior or anterior direction so that the hole in the back cane lines up with one of the five holes in the triangular mounting bracket.
3. When the desired position is located, re-install the screws.



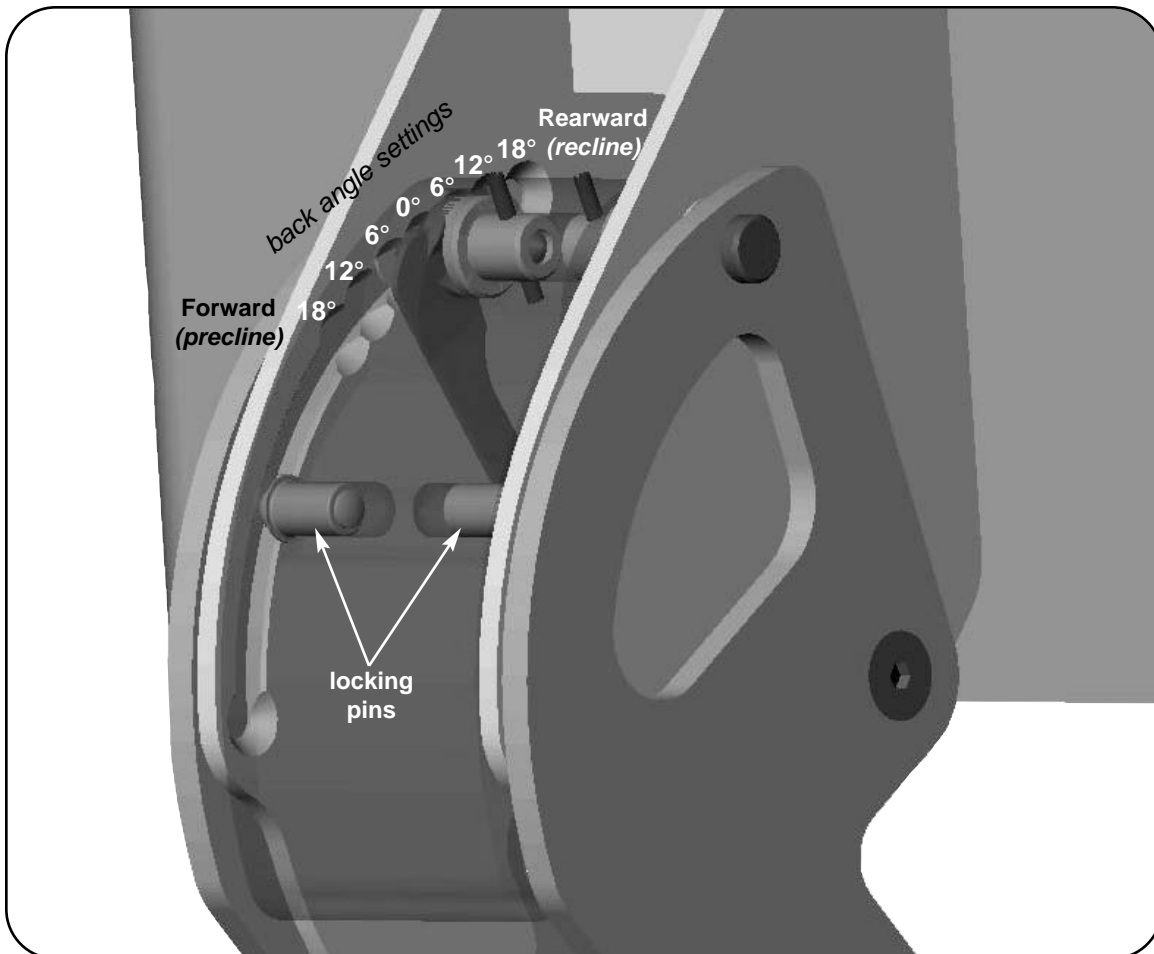
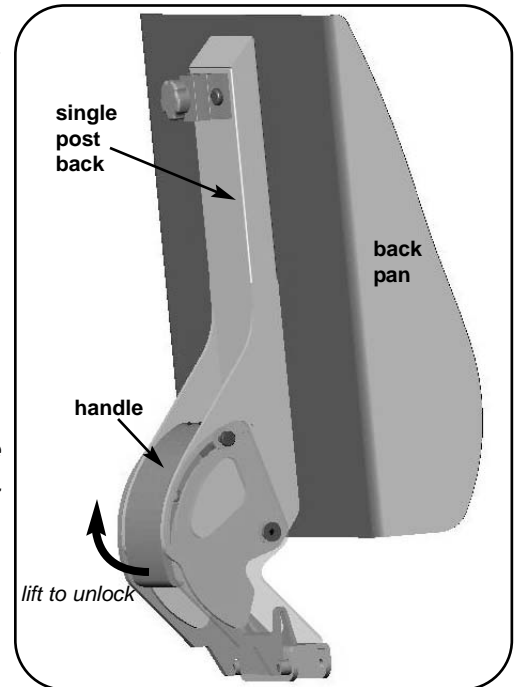
5.0 Back Angle Adjustments

Single Post Back Adjustment

The TRx Single Post Back is capable of folding down to less than 11 inches off the seat pan. The back angle is adjusted manually with a total available **adjustment range of 36°**, from the most posterior position (18° recline) to the most anterior position (18° pre-cline). Adjustments are set at 6° increments. The back position is factory pre-set to the maximum (18°) reclined position.

To Adjust the Back Angle:

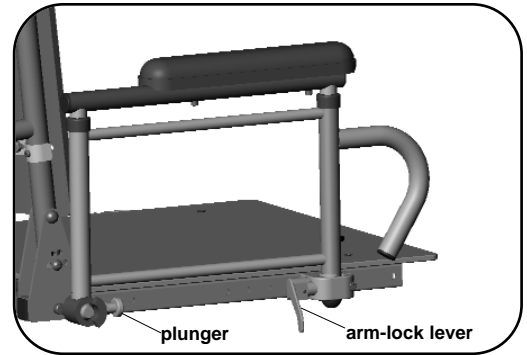
1. Lift the release handle to unlock the hinge mechanism.
2. Manually adjust the back to the desired angle/ position. There are seven hole positions available for adjustment. The back angles associated with each hole position are illustrated below. (*please note that the angles shown are approximate and are measured relative to the seat frame*).
3. When the desired angle is established, return the handle to the locked position.



6.0 Armrest Installation

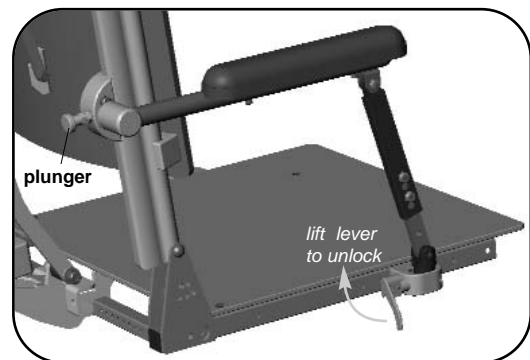
Tilt-Style Armrests

1. Insert the armrests over the rear mounting pin on the seat sides. Secure the rear of the armrest by ensuring the plunger pin engages the groove in the mounting pin.
2. Lock in place by adjusting the front arm-lock lever to the locked position.



Recline-Style Armrests

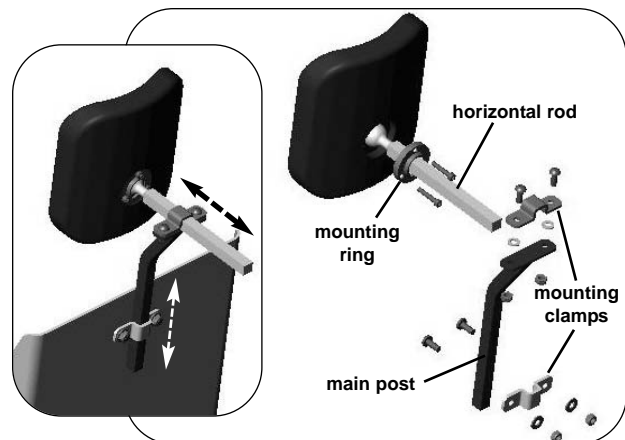
1. Insert the recline armrests into the rear reclining armrest receiver located on the back cane. Make sure the armrest pin is secured in place by the plunger.
2. Insert the recline armrest plug into the front armrest receiver and lock in place by adjusting the front arm-lock lever to the locked position.



7.0 Headrest Installation

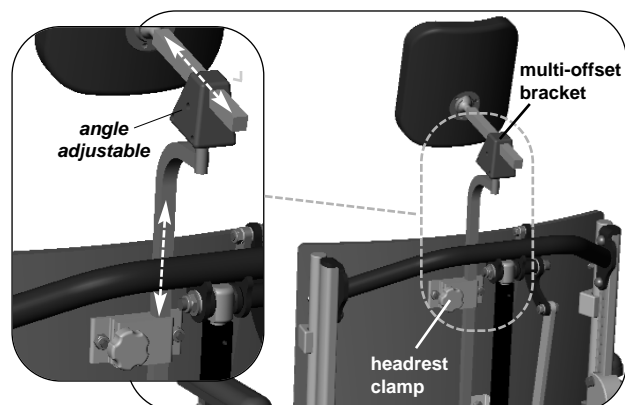
Basic Headrest

1. Use one mounting clamp to fasten the main headrest post to the back pan. Adjust the main post to the desired height and secure it into place.
2. Fasten the horizontal rod to the headrest pad using the mounting ring.
3. Use the second mounting clamp to fasten the horizontal headrest rod to the main post. Adjust headrest to the desired depth and secure it into place.



Adjustable Headrest

1. Insert the headrest rod into the headrest clamp mounted on the back pan.
2. Determine the desired headrest height and lock it into position by turning the lever on the headrest clamp.
3. Adjust depth and angle of the headrest via the triangular multi-offset bracket. Tighten the offset bracket to secure the headrest in position.



8.0 Installation and Set Up Review

After completing the installation, review each step to ensure that nothing has been missed. Once all steps have been reviewed, test the system completely. Testing should include the following:

1. Check all fasteners to ensure that they have been properly tightened.
2. Check the anti-tipper latching system (if applicable).
3. Check that the anti-tipper extensions are installed (if required).
4. If the front or rear anti-tippers are adjustable, check that they have been set to the appropriate position for the user.
5. Check that the rod-ends on the tilt and recline actuators have been properly pinned.
6. Check that the safety cable has been properly installed (if applicable).
7. Check the reduced speed drive (if applicable)
8. Check the drive lockout.
9. Check the tilt limit (if applicable).
10. Check the routing and security of all cables.
11. Check all wires and cables over the complete tilt/recline range for pulling, crushing or tight bends.
12. Check that the charger functions properly.
13. Check that the acceleration and deceleration of the wheelchair have been programmed to levels appropriate for the user.
14. Check all of the wheelchair drive functions.
15. Check the full range of tilt and recline. Make sure that there is no interference. Make sure that the wheelchair is stable with the client in it over the entire range.
16. Check that the Owner's Manual is with the chair.
17. DRIVE THE CHAIR AND TEST THE TRx SYSTEM.

If you have any concerns or questions regarding your TRx Power Positioning System please contact our Customer Service Department for assistance.

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NOTES:





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