NOTE: This manual contains important set-up and adjustment information. Please forward to the Dealer, together with the TRx system, in order to properly address the specific needs of the client.
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. A complete instruction session with your customer is essential.

Only the dealer and the health care professional can ensure that the system is set up properly and safely for the specific needs of the individual user.

Training
Installation and set-up of the Tilt-Only Cantilever Armrest should be completed by a trained technician or healthcare professional. 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 and set-up of the Cantilever Armrests. Every effort will be made to meet your training needs.

Note: Before proceeding with the installation/ set-up, please ensure there are no pages are missing from this manual.

Tools
The following tools are required for the installation/ set-up of the pivot plus power legrests:
- Wrenches: 7/16", 1/2"
- Socket wrenches: 7/16", 1/2"
- Allen keys: 3/16", 1/4", 1/8"
- Screw Drivers
1.0 Overview Drawings

TILT-ONLY CANTILEVER ARMRESTS

Tilt-Only Back Cane

FULL LENGTH* Cantilever Armrest Ass’y

Seat Side Frame

DESK LENGTH* Cantilever Armrest Ass’y

*Full Length Armrest Tube = 21-3/8”

*Desk Length Armrest Tube = 16-5/8”
1.0 Overview Drawing

Tilt-Only Cantilever Armrest - ARMPAD OPTIONS*

OVERHEAD VIEW

*NOTE: Desk Length armrest tubes will utilize desk length armpads
2.0 Installation & Adjustment

Important!
The following section provides installation and adjustment instructions for the Tilt-Only Cantilever Armrest Assembly. If the Cantilever Armrest has already been installed on the seating system, please proceed to Section 2.4 for instructions on adjusting the armrest angle.

2.1 Cane Clamp Installation

Note: The following instructions/images show the installation of the cantilever armrest onto the right side of the seating system, repeat all steps indicated to complete the left armrest installation.

1. Loosely install the cantilever armrest onto each back cane (left and right) via the cane clamp assembly- see Figure 1.0 below.

2. Working on one back cane at a time, determine the desired height of the cantilever armrest and secure the cane clamp assembly onto the back cane using the hardware provided. (Note: fine tune height adjustments may be required to complete the installation of the crossbar assembly- see Section 2.2)

Note: the height of the left and right cantilever armrest assemblies may be offset from each other by up to 1.5” (if desired); please refer to Figure 2.0 - Crossbar Installation for instructions.

![Figure 1.0](image_url)

starting on either side of the wheelchair determine the desired height* for the cantilever armrest, and secure the cane clamp assembly onto the back cane

*note: the left and right armrest assemblies may be offset from each other by up to 1.5” (if desired)
2.0 Installation & Adjustment

2.2 Crossbar Installation

1. The crossbar is installed between the back canes of the seating system.

2. The crossbar assembly utilizes an adjustable spreader bar/tube which secures into a cross support on either side. Each cross support is in turn secured into one of three optional mounting holes* at the rear of the clamp mounting plate. (refer to Figure 2.0 below)

*note: the optional mounting holes can be utilized to avoid interference with other back hardware/fixtures, or may also be used to offset the left and right armrest heights by up to 1.5” (hole spacing is offered in 3/4” increments)

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**Figure 2.0**

- Standard Crossbar Assembly
- Offset Crossbar Assembly (maximum 1.5” offset shown)

*crossbar is height adjustable to prevent interference issues, or to allow offset armrest heights of up to 1.5” (3/4” increments)*
2.0 Installation & Adjustment

2.3 (Optional) Lever-Lock Handle for Cantilever Armrests

1. The optional lever lock handle is secured to the mounting tab at the rear of the armrest tube. The lever-lock utilizes a spring operated latch mechanism to prevent the armrest from being raised unless the latch is released. Refer to Figure 3.0 below for installation instructions.
2.0 Installation & Adjustment

2.4 Cantilever Armrest Angle Adjustment

1. The tilt-only style cantilever armrest offers a unique adjustment feature that allows the armrest to be adjusted to any angle within a 20 degree range (plus/minus (+/-) 10 degrees).

Note: Figure 4.0 below shows the armrest positions (range of adjustment) based on an initial tilt backcane angle of 95 degrees (standard configuration).

2. Cantilever armrest angle adjustments are dictated by the cam mechanism (cam lobe & hardware) in conjunction with the slotted design of the clamp mounting plate. See Figure 5.0 below.
2.0 Installation & Adjustment

2.4 Cantilever Armrest Angle Adjustment (... cont’d)

3. Adjusting the armrest angle:

i. Before making adjustments, place the seating system in the fully upright position.

ii. To adjust the angle of the cantilever armrest, simply loosen the cam mechanism by loosening the main bolt on the inside of the mounting plate in assembly (just enough for the cam mechanism to rotate) (refer to Figure 6a and 6b. below).

iii. With the main bolt loosened, use the Allen Key to rotate the Cam Lobe assembly. By rotating the cam lobe up and down, the cantilever armrest angle will adjust accordingly- See Figure 7.0 p.11.

iv. Once the desired the angle is set, use the allen key to hold the armrest (cam mechanism) in position, and use the wrench to re-tighten the main bolt and lock the armrest in place.

Note: if desired, the left & right armrests may be adjusted to provide a unique set-up on each armrest.

To adjust armrest angle:
- loosen the main bolt for the cam mechanism
- using the allen key as a lever, rotate the cam lobe/mechanism up or down to adjust the armrest angle.
- tighten the main bolt to lock the armrest into position

Refer to Figure 7.0 for additional angle adjustment images of the Cantilever Tilt-Only Armrest.
2.0 Installation & Adjustment

Figure 7.0 Angle Adjustments

- **Raised Catilever Armrest Set-Up**
  - Rotate the cam downward to lower the armrest angle.

- **Standard Catilever Armrest Set-Up**
  - *(parallel to seat frame)*

- **Lowered Catilever Armrest Set-Up**
  - Rotate the cam upward to lower the armrest angle.

*Note: above images are shown with the lever lock handle (optional)*