NOTE: This manual contains important information related to the installation, set-up and adjustment of our Maxx Pivot Plus Legrests. Please forward to the Dealer, together with the TRx system, in order to properly address the specific needs of the client.
Important!

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.
Important Information: Before You Begin!

Safety Symbols:
Safe and proper installation, set-up and adjustment of your Motion Concepts device depends upon your diligence in following the warnings, cautions and information provided in this Manual.

The symbols below are used throughout all Motion Concepts’ manuals 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.

ℹ️ Important! Important information to remember when installing your TRx seating system.

Please refer to Section 2.0 of the Motion Concepts Owner’s Manual (TRD0000) (provided separately) for detailed safety information related to our Motion Concepts power positioning system and accessories.

Training

Installation and set-up of the Maxx Pivot Plus Power Legrest must only be done 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 the installation and set-up of the Maxx Pivot Plus Legrest. Every effort will be made to meet your training needs.

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

Hardware

Unless otherwise indicated, all the hardware required to complete the installation will be provided by Motion Concepts. Please refer to the Installation/Assembly Overview Drawing in Section 1.0 to determine the size, type and configuration of the hardware.

⚠️ WARNING! The hardware supplied with all Motion Concepts accessories is high strength. Do not substitute hardware. Use only the hardware supplied.

Tools

The following tools are required to complete the installation, adjustment & set-up:

Wrenches and/or Socket Wrenches: 7/16”, 12mm
Hex Keys: 4mm, 5mm
Standard Screwdriver
1.0 Assembly/Overview Drawings

Adjustable Depth Maxx Cam-Lock Legrest Receivers

IMPORTANT! Ensure the locking lever is installed as indicated

BOTH RECEIVERS SHOWN IN UNLOCKED STATE

STRAIGHT Cam-Lock Receiver (right receiver shown)

OFFSET Cam-Lock Receiver (right receiver shown)
1.0 Assembly/Overview Drawings

MAXX Pivot Plus Legrest (PPL) & Receiver Assembly
(Power PPL shown with a UL Maxx recline seating system)

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<th>QTY.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<td>TRC2104</td>
<td>LEGREST RECEIVER ASSY, RIGHT, STRAIGHT</td>
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<td>TREA0754</td>
<td>C324-48, DX2 RIGHT LEG ACTUATOR CABLE ASSY</td>
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<td>10</td>
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<td>1/4&quot; FLAT WASHER, SAE, BZ (M6 COMPATIBLE)</td>
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<tr>
<td>11</td>
<td>2</td>
<td>TRH0695</td>
<td>M6-1.0 x 16mm BUTTON SOCKET CAP, ALLOY STEEL, BZ</td>
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</tr>
</tbody>
</table>

NOTES:
1. N/S = NOT SHOWN
Maxx Pivot Plus MANUAL
Legrest Assembly

- Legrest Mounting Pin
- Legrest Shroud (removable)
- Manual Legrest Adjustment Lever
- Knee-To-Heel (KTH) Adjustment
- Extension Tube
- Calf Pad
- Footplate Assembly
- Calf Pad Mounting Bracket

(note: right legrest assembly shown)
1.0 Assembly/Overview Drawings

Maxx Pivot Plus POWER Legrest Assembly

- Legrest Mounting Pin
- Power Legrest Actuator
- Legrest Shroud (removable)
- Calf Pad Mounting Bracket
- Extension Tube
- Calf Pad
- Footplate Assembly

(note: right legrest assembly shown)
2.0 Maxx Pivot Plus Legrest Installation & Set-Up

2.1 Installing the Maxx Pivot Plus Legrest

Legrest Installation: (Refer to images A, B and C below)

2.1.1 Place the lever handle in the upright (unlocked) position.

2.1.2 Insert the mounting pin into the legrest receiver and lower the cam lever to lock the legrest into position.

Note: The beveled face of the mounting pin will align with the cam-lock and secure the Maxx PPL into place.
2.0 Maxx Pivot Plus Legrest Installation & Set-Up

2.2 Legrest Depth Adjustment

The Maxx style cam-lock legrest receivers are available in straight or offset styles. Each legrest receiver assembly is designed to provide up to 1.5" (40mm) of independent fore/aft depth adjustment via the slotted channel in the receiver cover.

Maxx Legrest Receiver Installation & Adjustment:

Tools Required: 4mm hex key

Complete the following instructions separately for each Maxx legrest receiver.

2.2.1. To install/assemble the legrest receiver, insert the mounting plate inside the receiver cover (A), then slide the receiver cover overtop of the Maxx side rail.

Note: the receiver cover is installed over the Maxx side rail and under the seat pan

2.2.2 Install the Maxx legrest receiver into the opening (slot) at the front of the receiver cover, and align the threaded holes in the legrest receiver with the holes in the mounting plate.

2.2.3 Secure the mounting plate to the legrest receiver using the mounting hardware (screws x2) provided (B).

2.2.4 To adjust the depth of the legrest receiver, loosen both mounting screws and slide the receiver inward/outward along the slot in the receiver cover (C).

2.2.5 Following any adjustment, always ensure the mounting screws are fully secure/tighten.
2.0 Maxx Pivot Plus Legrest Installation & Set-Up

2.3 Legrest Extension Bar: Knee-to-Heel (KTH) Adjustments

NOTE: Your legrest has been factory pre-assembled using the appropriate length extension bar needed to achieve the KTH Length requested at the time of order. If at any time you require a different sized extension bar, please contact our Customer Service Department for assistance.

Each legrest extension bar is independently adjustable to accommodate a wide range of knee-to-heel (KTH) lengths adjustable in 1/4” (7mm) increments. The total range of available KTH adjustment on the Maxx PPL is 8-1/2” - 20” (22cm- 51cm). There are four lengths of extension bars available to achieve the range of KTH lengths:

- Short: 8-1/2 - 12” (22-31cm)
- Med: 10 - 14” (26-36cm)
- Long: 13 - 17” (33-43cm)
- X-Long: 16 - 20” (41-51cm)

Adjusting the KTH Length:

Tools Required: 4mm hex key

Note: Whenever possible, it is recommended that the client be seated in the chair during the legrest set-up/KTH adjustment.

2.3.1. Remove/unclip the plastic shrouds from the down tube assemblies on each legrest. To unclip, pry open the edge of the shroud and pull to remove.

2.3.2. Working on one legrest at a time, remove the two adjustment screws and re-position the extension bar to the desired KTH length*. Locate the two mounting holes in the downtube that align best with the extension bar (at the selected KTH) and re-install the 2 screws to secure the legrest extension bar in place.

*Note: The final KTH length may be affected by the set-up/angle of the footplates. Additional fine-tune KTH adjustments may be required following the final footplate set-up. Refer to Section 2.4 for footplate adjustments.

2.3.3 Once all adjustments are complete, fully tighten all hardware and re-install the plastic shrouds.
2.0 Maxx Pivot Plus Legrest Installation & Set-Up

2.4 Footplate Adjustments

Our footplates are available in 3 sizes and offer multiple independent adjustments to achieve a wide range of angles and, depending on the client's needs. Please refer to Figure 1.0 and the additional images below for an illustration of the available footplate adjustments.

Footplate Adjustments:

*Tools Required: 4mm hex key, 7/16” (12mm) wrench, standard screwdriver*

2.4.1 By altering the mounting position* of the clamping block (A), the footplate can be adjusted forward or backward (relative to the legrest extension tube) in 1” (26mm) increments. (*note: the clamping block can also be inverted (rotated 180 degrees), in order to achieve a variation in fore/aft adjustment).

2.4.2 By loosening the clamping block, the entire footplate can be adjusted inward or outward (in relation to the extension tube) along the pivot bracket post (B).

2.4.3 The heel strap position can be adjusted front to back as necessary via mounting holes in the footplate (C); Adjustments are in 1” (26mm) intervals.

2.4.4 The footplate angle (front to back) can be adjusted by loosening the clamping block and rotating the clamp around the pivot bracket post (D).

2.4.5 The lateral (side-to-side) footplate angle can be adjusted** via the nylon set-screw located inside the pivot bracket (E). By adjusting the set screw depth, the footplate angle can be adjusted to achieve an angle greater than or less than 90 degrees as needed. (**note: set-screw adjustment requires a standard slot screwdriver).
2.0 Maxx Pivot Plus Legrest Installation & Set-Up

2.5 Calf Pad Set-Up/Adjustments:

The curved calf pads on the Maxx Legrest offer a full range of independent adjustment to ensure a high level of comfort for the end user. A lock/release (push-button) mechanism allows each calf pad to be swivelled around the legrest in order to improve leg clearance during transfers in and out of the wheelchair. Refer to Figure 2.0, along with the additional images/instructions provide below, for a summary of the various calf pad adjustments.

Figure 2.0

Independent Calf Pad Adjustments:
Tools Required: 4mm/5mm hex key

2.5.1. The depth of each calf pad can be adjusted independently, relative to the legrest extension tube. The calf pad mounting plate can be mounted in one of two optional positions along the calf pad mounting bracket (A).

Calf Pad Depth Adjustment
(range = +/- 1" (26mm))
2.0 Maxx Pivot Plus Legrest Installation & Set-Up

Independent Calf Pad Adjustments: (...cont’d)

2.5.2. Altering the mounting position of the calf pad mounting plate on the actuator mount, will adjust the height of the calf pad up or down relative to the footplate (B).

2.5.3. By changing the screw/slot positions in the mounting bracket, and/or by changing the mounting hole locations on the calf pad itself, each pad can be independently adjusted to meet the specific needs of the end user (C). (See also Calf Pad Mounting Bracket Adjustments below)

Calf Pad Mounting Bracket Adjustments:

2.5.4. The calf pads may be adjusted independently on their respective mounting bracket using the mounting screws at the rear of the calf pads. Calf pads can be adjusted (for depth, height and angle) to achieve a variety of different configurations. Refer to sample configurations are illustrated below.
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