Field Installation and Usage Instructions
Part No. TMS-095-03, TMS-316-03, TMS-487-03
Control Box Replacement

For All TMM3, TMM4 and TMM5 Non X-Series Chairs
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IMPORTANT NOTES ABOUT THIS MANUAL

This Field Installation and Usage Instruction document is designed to assist you with installation of the TransMotion Medical Product. Carefully read this document thoroughly before using the equipment or doing service/maintenance on it. If you are unable to understand the WARNINGS and CAUTIONS and instructions, contact TransMotion Medical customer service before attempting to operate or service the equipment otherwise injury or damage may result.

To assure safe operation of this device, it is essential that methods and procedures be established for educating and training staff on the safe and effective operation of the product.

TransMotion Medical reserves the right to change specifications without notice.

The information contained in this document is subject to change without notice.

Specifications listed are nominal and may vary slightly from unit to unit due to tolerance variations or power supply variations.

Photographs and illustrations contained within this document may not depict exactly the model you have. This document can cover many closely related models.

SPECIAL NOTES - SIGNAL WORDS

Signal words are used in this manual and apply to hazards which could result in injury or property damage. The following is a definition of those signal words as used in this document:

⚠️ DANGER
Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠️ WARNING
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠️ CAUTION
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices or potential property damage hazards.

⚠️ NOTICE
Provides important information, makes special instructions clearer, or provides service personnel information to make maintenance easier.
TOOLS REQUIRED

The tools needed to replace the Control Box are as follows:
3/8” Wrench or 3/8” Nut Driver
5/16” Wrench, Flat Head Screwdriver, or Power Drill
Wire Cutters

PARTS INCLUDED IN TMS-002 KIT

Verify that you have all the parts shown. If not, contact TMM Service at 1-800-237-3377.
(1) Control Box (Part Number dependent on chair model)

PREPARING CHAIR FOR CONTROL BOX REPLACEMENT

Use Pendant Control to raise Leg Section to full upright position and chair to extended height.

⚠️ NOTICE
If Pendant is not functioning, O2 holder located under seat may be removed to create additional space for lifting base cover.

Lock casters by positioning them as shown.
**NOTICE**

*A* SERIES CHAIRS ONLY

Remove light pipe cap from side of base.

Save cap as it will be reinstalled after the control box has been replaced.

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Lift up base cover to expose control box.

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**REMOVING OLD CONTROL BOX**

Remove tool, located next to control box on mounting plate.
**B Series Chairs:**
Place hex end of cable tool on Battery cable located in port #5 and rotate plug counterclockwise to unlock. Pull Battery cable plug out of control box.

**Tall Column Chair:**
Place hex end of cable tool on Column cable located in port #4. Rotate plug counterclockwise to unlock and pull Right Column cable out of control box.

**3 Series Chair:**
Limit Switch Cable is located in port #4 rather than Column cable. Remove Limit Switch cable same way as described above.

Place hex end of cable tool on Leg Actuator cable located in port #3. Rotate plug counterclockwise to unlock and pull Leg Actuator cable out of control box.

Place hex end of cable tool on Back Actuator cable located in port #2. Rotate plug counterclockwise to unlock and pull Back Actuator cable out of control box.
Place hex end of cable tool on Column cable located in port #1. Rotate plug counterclockwise to unlock and pull Column cable out of control box.

**NOTICE**
For Tall Series Chairs, this is Left Column cable.

Place left opening of cable tool onto pendant plug. Press tool into lock tabs while pulling out on plug.

**A Series Chairs Only:**
Place right opening of cable tool onto power supply plug. Press tool into lock tabs while pulling out on plug.

Cut cable tie connecting pendant cord to control box mounting plate.
Using a 5/16" Wrench, loosen (2) #10 self-tapping screws located on opposite corners of mounting plate.

⚠️ **NOTICE**

A Power Drill or Flat Head screwdriver may be used instead of a 5/16" Wrench.

Completely remove (2) self-tapping screws located on alternate corners of mounting plate.

Remove remaining (2) screws, detaching mounting plate and control box from base.
Remove control box from mounting plate using 3/8" Wrench or Nut Driver to remove (4) Nuts and Washers.

⚠️ NOTICE
“A” SERIES CHAIRS ONLY

Remove light pipe from bad control box by pulling silver sleeve back on light pipe and removing light pipe and mounting bracket from control box.

⚠️ This light pipe will be installed on new control box so do not discard light pipe or mounting bracket.

INSTALLING NEW CONTROL BOX

Install new control box onto studs on mounting plate.

Push control box back all the way until all (4) studs are in small slots on control box.
<table>
<thead>
<tr>
<th>Task</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install (4) washers and nuts using a 3/8” Wrench or Nut Driver and tighten securely.</td>
<td><img src="image1.png" alt="Image" /></td>
</tr>
<tr>
<td>Apply 2” piece of Velcro to top of control box.</td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
</tbody>
</table>
| **NOTICE**  
“A” SERIES CHAIRS ONLY  
Align mounting bracket and light pipe that were previously removed with eye on new control box. Slide light pipe into black mount so that it touches Control box. Press silver sleeve onto black mount securing new light pipe. | ![Image](image3.png) |
| Attach mounting plate onto base. Using a 5/16” Wrench or a Flat Head Screwdriver, start (2) #10 self-tapping screws on opposite corners to hold in place. | ![Image](image4.png) |
| Install remaining (2) screws and tighten all (4) securely.          | ![Image](image5.png) |
| **A Series Chairs Only:**  
Press power cord into control box until it locks into place.         | ![Image](image6.png) |
Press pendant plug into control box until it locks into place.

**NOTICE**
Plugs on Column and Actuator cords need to be installed with “dot” on plug in line with “line” on socket. Once seated, use “Cable Wrench” provided to rotate plugs in sockets approximately 30 degrees clockwise to lock plug into socket.

Press Column cord plug into port #1 and lock into place.

**NOTICE**
For Tall Series Chair, plug left Column cord into port #1 and right Column cord into port #4.

Press Back Actuator plug into port #2 and lock into place.
Press Leg Actuator plug into port #3 and lock into place.

**3 Series Chairs:**
Press Limit Switch cable into port #4 and lock into place.

**B Series Chairs:**
Press Battery Bracket cable plug into port #5 and lock into place.

Secure pendant cable to mounting plate using cable tie.

Reattach tool to mounting plate.
### NOTICE

**“A” SERIES CHAIRS ONLY**

Pull light pipe through hole on mounting plate.

<table>
<thead>
<tr>
<th><img src="image1.png" alt="Hole on mounting bracket" /></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image2.png" alt="Test the Contour, Column, Leg and Back functions on the pendant." /></td>
</tr>
<tr>
<td><img src="image3.png" alt="Plastic Backing" /></td>
</tr>
</tbody>
</table>

Verify **ALL** functions of chair using pendant to ensure all plugs are properly seated and in correct ports.

**For A Series Chairs:**
Plug unit into a wall receptacle and verify that LED behind light pipe is lit.

Remove plastic backing from Velcro on control box.

Align and lower base cover onto frame.
NOTICE
“A” SERIES CHAIRS ONLY

Insert pipe cap that was previously removed in hole in cover.

Position chair as desired and place it back into service.
# CLEANING INSTRUCTIONS

**CAUTION**

STEAM AND/OR PRESSURE CLEANING CHAIR WILL VOID WARRANTY

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>FREQUENCY</th>
<th>PROCEDURE</th>
<th>CLEANING AGENT *</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Rails and Painted Metal</td>
<td>As required/in accordance with facility policies</td>
<td>Wipe with damp cloth and allow to air dry</td>
<td>Facility approved detergents, disinfectants &amp; water</td>
<td>Check for chipped paint/chrome</td>
</tr>
<tr>
<td>Base Cover</td>
<td>As required/in accordance with facility policies</td>
<td>Wipe with damp cloth and allow to air dry</td>
<td>Facility approved detergents, disinfectants &amp; water</td>
<td>Check for peeling or missing labels</td>
</tr>
<tr>
<td>Actuators and Battery Pack</td>
<td>As required/in accordance with facility policies</td>
<td>Wipe with damp cloth and allow to air dry</td>
<td>Facility approved detergents, disinfectants &amp; water</td>
<td>Clean exterior surfaces only with minimal water</td>
</tr>
<tr>
<td>Pendants</td>
<td>As required/in accordance with facility policies</td>
<td>Wipe with damp cloth and allow to air dry</td>
<td>Facility approved detergents, disinfectants &amp; water</td>
<td>Clean exterior surfaces only with minimal water</td>
</tr>
<tr>
<td>All Other Surfaces</td>
<td>As required/in accordance with facility policies</td>
<td>Wipe with damp cloth and allow to air dry</td>
<td>Facility approved detergents, disinfectants &amp; water</td>
<td>Check for damage</td>
</tr>
<tr>
<td>TransMotion Medical Accessories</td>
<td>As required/in accordance with facility policies</td>
<td>Wipe with damp cloth and allow to air dry</td>
<td>Facility approved detergents, disinfectants &amp; water</td>
<td>Check for damage</td>
</tr>
<tr>
<td>3rd Party Accessories</td>
<td>As required/in accordance with facility policies</td>
<td>Consult manual provided by accessory manufacturer.</td>
<td>Facility approved detergents, disinfectants &amp; water</td>
<td></td>
</tr>
</tbody>
</table>

* Use of Facility approved detergents and disinfectants must comply with the instructions provided by the manufacturer(s) of those products.
Upholstery Care & Cleaning Instructions

Proper care is essential in ensuring the durability and reliability of TransMotion Medical upholstery. In general, all products should be:

1. Cleaned
2. Disinfected (in accordance with facility policy)
3. Rinsed
4. Allowed to air dry

It is important to note that the terms “disinfecting” and “cleaning” should not be used interchangeably. Disinfectants alone will not provide adequate cleaning since they do not have the appropriate properties to cut grease or oil and remove grime, hair or skin oils. The appearance, feel and performance of your upholstery may diminish if not cleaned properly.

Cleaning:

Remove hair, grime and body oils. Your upholstery should be cleaned on a regular basis with a damp cloth soaked in a mild soap and water solution. Avoid harsh detergents or chemicals that could damage the finish of your product. If disinfecting with manufacturer approved chemicals or bleach, the upholstery MUST be wiped off using clean water on a damp cloth and allowed to air-dry as a final step. Failure to rinse upholstery with clean water can result in a build-up of residues that, over time, may lead to drying, cracking or other undesirable changes to appearance, feel and performance.

Retain all instructional tags for future use.

Contact the manufacturer of the fabric used in your upholstery for a current list of approved disinfectants. TransMotion Medical Customer Care can assist with identifying which upholstery was used with your Stretcher-Chair.

For customer supplied and non-standard materials, please refer to the individual manufacturer’s cleaning instructions.