OPERATION MANUAL
Model TMM4-X Series
Multi-Purpose Tilt Chair and Surgi-Chair II

Options:

W  Wide
T  Tall
R  Rail on Back Section
Q  Scale
L  Low
F  Folding Footrest
E  Export
B  Battery
A  AC Power

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IMPORTANT NOTES ABOUT THIS MANUAL

This Operations Manual is designed to assist you with operating your TransMotion Medical Product. Carefully read this manual 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 this 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 operation 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 is intended to 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 manual:

⚠️ 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.
SAFETY PRECAUTIONS

WARNINGS:

**WARNING** CHAIR OPERATION BY QUALIFIED, TRAINED MEDICAL PERSONNEL ONLY
- The chair is intended to be operated only by qualified, trained medical staff. Operation of chair by unauthorized / untrained / lay people must be avoided.

**WARNING** USE CAUTION ON RAMPS
- Control chair when traversing ramps. If a collision occurs, serious injury to patient, bystanders, or medical personnel could result, as well as, damage to chair or medical facility could occur.

**WARNING** LOCK CASTERS BEFORE PATIENT EGRESS / INGRESS
- Prior to patient egress / ingress, casters must be locked by depressing red tab completely down on either left- or right-side brake pedal.

**WARNING** AVOID PINCH POINTS AND OTHER INJURIES
- To prevent serious injury, ensure extremities of patient and bystanders are clear of all mechanical systems when operating motors for lift, tilt, and positioning functions.
- To prevent pinch / crush injury, ensure extremities of patient and bystanders are clear of locking mechanism when raising and lowering side rails.
- To prevent patient strangulation, use approved hand pendant storage location when not in use (see PENDANT section).

**WARNING** BATTERY CAN EXPLODE DUE TO OFF-GASSING WHEN CHARGING
- At end of charging process (or with overcharge conditions), battery can produce mixture of explosive gases (including hydrogen and oxygen). Avoid exposing battery to open flames, cigarettes, sparks, and incandescent materials.
- Never charge battery in enclosed, unventilated spaces.
- Do NOT store battery in sealed container. Store in fresh, well-ventilated area protected from direct sunlight and heat sources.
- Do NOT use water to extinguish battery fire. Use dry powder, foam CO₂ extinguisher.

**WARNING** USE CAUTION WHEN STORING OXYGEN CYLINDER UNDER CHAIR
- To prevent severe gas leakage / rupture of compressed gas cylinder, when placing cylinder under chair, ensure adequate clearance between cylinder and its attached gas equipment (i.e. regulator, gauges, fittings, knobs) and all adjustable chair sections / features (i.e. seat, back, leg, rails, actuators).
- To prevent fire / explosive hazard, do not leave chair (and stowed oxygen equipment) near heat source.
- To prevent gas equipment damage during transport, ensure cylinder sets in cradle properly and strap mechanisms are secured tightly. Chair is intended to accommodate up to an E-size cylinder (4-3/8” outer diameter x 25” length).

**WARNING** DO NOT PLACE EXCESSIVE WEIGHT ON ENDS
- Position patient’s body weight uniformly over the patient surface. Use caution when shifting patient’s body weight towards either end of the stretcher-chair. Excessive weight on either end of the device could cause the stretcher-chair to become unstable.
- Do not sit or stand on the ends of the stretcher-chair. Instruct patients to not stand on footrest during egress / ingress.
- Due to the unique nature of each patient’s body shape, caregiver should exercise sound judgment when positioning patient on the device.
ACCESSORY WARNINGS:

- To prevent serious injury and property damage, review operating manuals of all medical equipment and accessories that may be used with, or attached to, this chair.

- Using the supplied accessories in the incorrect manner may cause patient, bystander, or facility harm.

- If chair is equipped with accessory belts, refer to appropriate Field Installation and Usage Instructions (provided with belts) for proper installation, use, and care.

- To prevent fire hazards, follow all precautions and operating procedures prescribed by suppliers of oxygen administering equipment (i.e. oxygen gas regulators, tents, masks, cannulas, etc.)

- To prevent injury and property damage, total weight of items placed on “IV” pole must be less than 25 lbs.

- If mounting accessories to back surgical rails, ensure accessory is properly installed and securely engaged prior to transporting patient/chair, and prior to use. Only equipment approved by TransMotion Medical is to be mounted on surgical rails. TransMotion Medical is not responsible for damage, and assumes no liability, caused by the use of unapproved equipment or accessories. Approved medical equipment includes tools, instruments, or scopes that are compatible with a .365” thick by 1.125” wide surgical rail.

CAUTIONS:

⚠️ CAUTION ⚠️ DO NOT MODIFY CHAIR

- Modifying chair can cause unpredictable operation resulting in injury to patient, medical personnel, or bystander. Modifying chair will void warranty.

⚠️ CAUTION ⚠️ USE SAFE OPERATING PROCEDURES

- Prior to operating chair, ensure patient clearance by moving any overhanging equipment, or moving chair from under a table, to prevent patient injury.

- For TMM4-X, chair must be at least 18 inches from nearest wall or obstruction to allow for full range of activation.

- Leave chair in lowest position whenever possible. This practice will decrease potential injury during an unsupervised patient egress from chair.

- Prior to patient transport in chair, raise side rails and ensure latching mechanism is in locked position.

- Medical personnel must determine degree of restraint needed to ensure patient’s safety during transport.

- For “F” Option Only
  Since footrest is foldable (not locked in position), ensure protection of patient’s feet while moving chair in close quarters (i.e. elevators, crowded hallways, procedure rooms).

⚠️ CAUTION ⚠️ INSPECT AND CLEAN CHAIR REGULARLY

- Inspect cushions after each use. Discontinue use if upholstery is ripped, cut, or torn, which could allow fluids to enter cushion. This practice will prevent infection of patients and medical personnel and contamination of medical equipment.

- Do NOT use machine / pressure / power wash procedures on chair. After each use in a clinical setting, hand wash all patient-contact surfaces (i.e. cushions, rails) and plastic base cover with warm water and mild detergent.

- For “A” Option Only
  For large fluid spills on chair, immediately unplug chair from AC wall outlet.
**PLUG CHAIR INTO PROPERLY GROUNDED WALL OUTLET MARKED “HOSPITAL ONLY” OR “HOSPITAL GRADE”**

- For “A” Option Only
  Chair is equipped with hospital-grade three-prong plug for protection against electric shock, and must be plugged into properly grounded hospital-grade wall outlet.

**MAX WEIGHT OF BACK SURGICAL BAR**

- The max weight capacity of each back surgical bar is 50 pounds. To prevent personal injury to patient, do not mount equipment weighing more than 50 pounds to device. Weight of patient plus weight of equipment should not exceed 500 pound weight capacity of TransMotion Medical stretcher-chair.

**EMI CAUTION:**

**EMI MAY AFFECT CHAIR FUNCTIONALITY**

Chair may be susceptible to EMI (Electromagnetic Interference) caused by electromagnetic energy emitted from various sources, such as, radio and television stations, amateur radio (HAM) transmitters, citizen band (CB) radios, hand-held "walkie-talkies", security / police / fire transceivers, and other communication devices. EMI can cause chair to move by itself, or in an unintended fashion. It can damage control system(s).

Intensity of interfering energy is measured in V/m (volts per meter). Chair can resist EMI up to a certain intensity, called its “immunity level”. When the immunity level is higher, the less likely EMI will interfere with chair operation. The chair has been tested to 20 V/m immunity level, which is sufficient to provide useful protection from common sources of radiated electromagnetic energy.

In clinical environments devices can emit electromagnetic energy, which becomes more intense as one moves closer to energy source. To reduce chance of unintended movement or operation of chair, observe the following:

1. Be aware of nearby high-power transmitters (radio and TV stations), MRI (magnetic resonance imaging) systems, and NMR (nuclear magnetic resonance) imaging systems. Keep chair away from these areas.
2. Do not operate hand-held transmitters near chair.
3. Do not operate chair near others using hand-held transmitters.
4. If unintended chair movement occurs, disconnect battery, and move chair away from location.

**NOTICES:**

**MAXIMUM PATIENT WEIGHT IS 500 lbs (227 kg)**

- Maximum patient weight capacity of chair is 500 pounds. If exceeded, damage to chair could occur.

**CHAIR IS INTENDED FOR INDOOR USE ONLY**

- To ensure proper operation and extend chair life, only use chair in specified environment.

**USE CDC’s UNIVERSAL PRECAUTIONS**

- When maintaining chair after clinical use, service personnel must use UNIVERSAL PRECAUTIONS as defined by CDC (Centers for Disease Control and Prevention).

**MAINTAIN CHAIR REGULARLY**

- To ensure proper operation and extend chair life, inspect, maintain, and service chair on a regular basis. Inspection, maintenance, and service details are located later in this manual.
### REMOVE BATTERY DURING CHAIR STORAGE

- **For “B” Option Only**
  If chair is to be stored or not in use for more than 3 weeks, remove battery pack from chair. Refer to Battery Charger Installation and Usage Instructions (IM TMA57-15), under the “Cautionary Usage Instructions” section, for more information.

- **For “A” Option Only**
  If chair is to be stored or not in use for more than 1.5 weeks, leave chair plugged into an AC wall outlet or unplug battery from control box. For more information, refer to “A” Option section below.

### LABELING DIAGRAMS  (TMM4-XFB shown)

### INSPECT LABELS PERIODICALLY
Every three months, inspect all labels and ensure that they are legible, and not tattered, torn, or missing. Refer to label locations in figures below. If labels need to be replaced, contact TransMotion Medical Customer Service at 1-800-237-3377.
## FOLDING FOOTREST OPTION
DESIGNATOR: "F"

![Diagram of Folding Footrest Option]

## SCALE OPTION
DESIGNATOR: "Q"

![Diagram of Scale Option]

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY</th>
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<td></td>
<td>TMM-202-10</td>
<td>CHAIR END WARNING LABEL</td>
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<tr>
<td>1</td>
<td>TMM-951-10</td>
<td>SCALE PENDANT STORAGE LABEL</td>
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</tr>
<tr>
<td>2</td>
<td>TMM-831-12</td>
<td>SCALE PENDANT BRACKET RT</td>
<td>1</td>
</tr>
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<td>3</td>
<td>TMM-831-12</td>
<td>SCALE PENDANT BRACKET - LT</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>TMM-126-04</td>
<td>SCREW, 10-32 x 1/2, TYPE 29, H.S.W.H.</td>
<td>4</td>
</tr>
</tbody>
</table>

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<tr>
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<td>TMM-126-04</td>
<td>SCREW, 10-32 x 1/2, TYPE 29, H.S.W.H.</td>
<td>4</td>
</tr>
</tbody>
</table>
## BACK SECTION QUICK RELEASE

### LOCATE RELEASE LEVER
Back section quick release lever (red) is located under seat on patient’s right side.

### ACTIVATE RELEASE LEVER
To activate back section quick release, pull red lever out towards the arm rail. When weight is applied, back section will drop until lever is released.

⚠️ Quick release feature is intended for emergency purposes only.

**WARNING**
**PRIOR TO PERFORMING CHEST COMPRESSIONS ON A PATIENT, FIRST AND FOREMOST, THE PATIENT SHOULD BE MOVED TO A MORE STABLE, NON-PADDED PLATFORM. SECONDARILY, IF ATTEMPTING TO PERFORM CHEST COMPRESSIONS ON THE TMM DEVICE, THE PATIENT SHOULD BE PLACED ON A BACK BOARD, OR POSITIONED ON THE CHAIR SO THE PATIENT’S CHEST CAVITY IS OVER, OR AS CLOSE TO, THE COLUMN SUPPORT AS POSSIBLE. IT IS THE RESPONSIBILITY OF THE MEDICAL PROFESSIONAL TO DETERMINE WHETHER CPR CAN BE EFFECTIVELY PERFORMED ON THIS CHAIR ON A CASE-BY-CASE BASIS.**

**WARNING**
**DO NOT ADJUST DAMPER. DOING SO COULD RESULT IN THE BACK RELEASE LEVER FUNCTIONING IMPROPERLY DURING AN EMERGENCY.**

⚠️ To ensure proper operation, activate quick release every thirty days. If quick release does not operate properly, please contact TransMotion Medical Customer Service at 1-800-237-3377.
# CASTER BRAKE OPERATION

## BRAKE MODE
Activate braking system by pressing down on red end of either brake pedal located at base of chair.

⚠️ This mode prevents all four casters from swiveling and all wheels from spinning.

## NEUTRAL MODE
Activate neutral mode by placing either brake pedal into a horizontal orientation.

⚠️ This mode allows all four casters to swivel and all wheels to spin freely.

## STEER MODE
Activate steer-locking system by pressing down on green end of either brake pedal located at base of chair.

⚠️ This mode locks caster (near patient’s right foot) parallel to base, but allows this wheel to spin. Other three casters swivel, and wheels spin freely.

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# SIDE RAIL OPERATION

## LOWERING SIDE RAIL
Grasp top of side rail and push inward slightly, while pulling out red rail release tab. Once released, lower rail.

## STOWING SIDE RAIL
To stow side rail, lower rail into “down” position below seat (or back section depending on rail location). Push side rail until it fully engages retainer clip.
### RAISING SIDE RAIL
Lift side rail until it is in “up” position.
- Red rail release tab will engage (lock) automatically.
- Ensure side rail is secure by pulling on rail after it is raised.

### ADJUSTING SIDE RAIL ANGLE

Remove cushion and seat pan by removing four pan head screws.

**NOTICE**
Do not discard seat pan, pan head screws, or additional hardware removed during this step. Parts will be reused after adjustment.

Loosen top jam nut.

To move inward, rotate bottom jam nut as shown.
To move outward, rotate bottom jam nut as shown.

Once aligned, tighten top jam nut.

⚠️ **NOTICE**

1) You do not need to hold bottom nut to tighten top. Once aligned, top nut is tightening nut.
2) When adjusting, ensure bottom jam nut is contacting seat frame.
3) Ball joint head angle does not matter.
4) Prior to adjustment, pull outward on side rail in order for system to settle.
5) Ensure top jam nut engages at least two full threads.

Do not over tighten top jam nut (there is no need).

Reattach seat pan and cushion.
**CAUTION**
PENDANT IS NOT INTENDED FOR PATIENT’S USE
To prevent damage, pendant can be stored at various locations on the chair when not in use.

**CAUTION**
ENSURE AREA IS CLEAR OF OBSTRUCTIONS PRIOR TO PENDANT USE
To prevent property damage or injury to patient, survey area for possible obstructions prior to pendant use.

**BACK SECTION ADJUSTMENT**
First row of pendant buttons controls angle of back section.
- Press left button to raise chair’s back.
- Press right button to lower chair’s back.

**LEG SECTION ADJUSTMENT**
Second row of pendant buttons controls angle of leg section.
- Press left button to raise chair’s leg section.
- Press right button to lower chair’s leg section.

**SEAT HEIGHT ADJUSTMENT**
Third row of pendant buttons controls height of seat section.
- Press left button to raise chair’s seat.
- Press right button to lower chair’s seat.

**SIMULTANEOUS LEG AND BACK SECTION (AUTO CONTOUR) OPERATION**
Fourth row of pendant buttons controls simultaneous actuation of leg and back sections.
- Press left button to raise chair’s leg section and lower chair’s back, resulting in stretcher configuration.
- Press right button to lower chair’s leg section and raise chair’s back, resulting in chair configuration.

**SEAT TILT / TRENDELENBURG ADJUSTMENT**
Fifth row of pendant buttons controls the seat section incline/recline or Trendelenburg / reverse Trendelenburg position depending on chair / stretcher
- Press left button to raise front of seat section.
- Press right button to lower front of seat section.
PATIENT INGRESS / EGRESS

**WARNING**  PATIENT SHOULD NEVER BE PERMITTED TO ENTER / EXIT FROM ENDS OF STRETCHER-CHAIR WHEN IN AN UPRIGHT, PARTIALLY, OR TOTALLY RECLINED POSITION. EXCESSIVE WEIGHT ON ENDS COULD CAUSE CHAIR TO TILT, RESULTING IN POSSIBLE PATIENT INJURY.

- Follow these instructions for safe and proper patient ingress (entry onto chair) and egress (exit from chair).
- Patient ingress / egress should always be made with chair in upright-chair position.
- Patient must enter / exit from side of chair with their body weight centered over SEAT section.

- See PATIENT TRANSFER section for instruction on transferring patient from one horizontal surface to another.

PATIENT INGRESS (ENTRY)

1. Depress *RED* caster brake pedal to lock caster wheels.
2. Adjust chair to lowest height and into upright-chair position.
3. Lower one side rail of seat section.
4. If back section rails are present, remove / lower back section rail of same side.
5. Position patient (facing away from chair) at SEAT section.
6. WITH PATIENT ENTERING FROM SIDE OF CHAIR, assist patient while they sit down on SEAT section.
7. Once patient is fully seated, assist them in rotating their body in-line with chair into a seated position.

PATIENT EGRESS (EXIT)

1. Depress *RED* caster brake pedal to lock caster wheels.
2. Adjust chair to lowest height and into upright-chair position.
3. Lower one side rail of seat section.
4. If back section rails are present, remove / lower back section rail of same side.
5. Ensure patient’s body weight is centered on SEAT section.
6. WITH PATIENT EXITING TO SIDE OF CHAIR, assist patient in rotating their body by placing their legs over one side of chair.
7. Assist patient into standing position from seated position.
PATIENT TRANSFER

**WARNING** PATIENT'S BODY WEIGHT SHOULD NEVER BE SHIFTED TOWARDS EITHER END OF CHAIR WHEN IN A PARTIALLY, OR TOTALLY, RECLINED POSITION. SERIOUS PATIENT INJURY MAY OCCUR. ALL PATIENT TRANSFERS MUST BE MADE FROM SIDE OF CHAIR, NOT CHAIR ENDS.

Follow these instructions for safe and proper patient transfer between chair (in stretcher orientation) and another horizontal surface.

1. Position back, seat, and leg sections into horizontal orientation. (Press Auto Contour button.)
2. Lower / remove all side rails from transfer side of chair.
3. Position chair as close as possible to other surface.
4. Match chair (stretcher) height to height of bed or other horizontal surface.
5. Depress RED caster brake pedal to lock caster wheels.
6. Slide patient from one surface to other, following your facility’s standard practices / policies for lateral patient transfers.

PUSH BAR OPERATION

**LOWERING PUSH BAR**
Grasp push bar handle while pulling out red release knob. Lower push bar into “down” position.

**RAISING PUSH BAR**
Lift push bar handle until it is in “up” position.

Red release knob will engage (lock) automatically.
OPTIONS

“W” OPTION: WIDE WIDTH

For “W” option, patient surface width is 28”.
Standard width is 24”.

“T” OPTION: TALL HEIGHT

For “T” option, chair height travel is 16”.
Standard travel is 8”.
“L” OPTION: LOW HEIGHT

For “L” option, chair height is 23.5”

Standard height is 25”.

Chair height travel is the same as Standard and “T” Option.

To prevent chair damage, ensure ground clearance is at least 1.75” when driving chair up a ramp or over a bump.

“R” OPTION: RAILS ON BACK SECTION (near patient’s head)

Rails located on back section operate and adjust same as side rails.
**“Q” OPTION: SCALE**

To measure patient's weight with scale:
1) Ensure chair base is level.
2) Ensure chair is not contacting nearby objects.
3) Activate chair’s caster brakes.
4) To tare scale, press and hold the “ZERO” button for approximately 3 seconds until “zero” appears on the display, release button and the display will read 0.0.
5) Place patient in chair.
6) After patient is settled, press “WEIGH” button on scale pendant to obtain patient’s weight. After a few moments a stable weight will be indicated by a small black triangle in the display under the symbol.
7) Return scale pendant to holder.

- To prevent inaccurate measurement, tare scale before each patient.
- To prevent inaccuracy, prevent extra items (accessories, monitors, IV bags, blankets, pillows, charts, etc.) from being included / excluded during weight checks.
- To ensure the most accurate patient weight is being obtained, weigh the patient when the chair is in the low, seated position.
- Scale display may shut off after sixty seconds, but tare will be maintained. Press “WEIGH” button to wake up scale.
- To toggle between weight units (lb / kg), press "MODE" button on scale pendant. Ensure reading is the in the correct unit (lb/kg) when transferring patient’s weight to chart.

Scale Specifications:
- Weight capacity: 50 - 500 lbs (23 - 227 kg)
- Accuracy / Repeatability: 0.2 lbs or 0.2% of Patient’s Weight (whichever is greater)
- Powered by: 9V DC Internal Battery

**CAUTION**

SCALE SHOULD ONLY BE OPERATED BY TRAINED MEDICAL PERSONNEL.

*Recommended Weighing Position*
CHANGING PENDANT BATTERY

Follow these instructions if pendant does not wake up when “WEIGH” button is pressed.

1) Remove battery cover on back of pendant by sliding it downwards.

2) Take out battery and replace it with a new 9V Industrial battery.

3) Replace battery cover.

To ensure proper scale function, test scale annually using a known weight. If a discrepancy exists; please contact TransMotion Medical Customer Service at 1-800-237-3377.
“F” OPTION: FOLDING FOOTREST

**CAUTION**

**WHEN POSITIONING FOOTREST, BE AWARE OF PINCH POINTS**

To stow footrest, place both hands on red handles and lift.

![Extended Footrest](image1.png)  ![Stowed Footrest](image2.png)

For patient comfort, stow footrest prior to articulating chair into supine (stretcher) position.

“E” OPTION: EXPORT

“E” option designates chair was shipped with power cord specific to receiving country.

“A” option power cord is directly attached to chair.

“B” option power cord is attached to battery charger (# TMA57-15).

![Power Cords](image3.png)

Power cords depicted in image may not match power cord shipped with your chair.
### “B” OPTION: BATTERY PACK

<table>
<thead>
<tr>
<th>REMOVING BATTERY PACK FROM CHAIR</th>
<th><img src="image1.png" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Grasp integrated handle on battery pack and lift up until cam locks disengage. Pull battery away from mounting bracket.</td>
<td><img src="image2.png" alt="Image" /></td>
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<table>
<thead>
<tr>
<th>INSTALLING BATTERY PACK ONTO CHAIR</th>
<th><img src="image3.png" alt="Image" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Place two round, cam locks on back of battery into square openings of mounting bracket. Once in place, slide battery down until cam locks engage.</td>
<td><img src="image4.png" alt="Image" /></td>
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<tr>
<th>ADDITIONAL BATTERY INFORMATION</th>
<th><img src="image5.png" alt="Image" /></th>
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<tbody>
<tr>
<td>All chairs come with additional battery and wall-mountable battery charger. Additional battery may be stored in wall charger or on mobile battery stand.</td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td>For more information related to the battery and charger, see Battery Charger Installation and Usage Instructions (IM TMA57-15).</td>
<td><img src="image7.png" alt="Image" /></td>
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</tbody>
</table>
### “A” OPTION: AC POWER (for on-board batteries and charger)

AC power cord for charging batteries is attached to chair base, and may be stowed by wrapping around storage bracket.

To charge on-board batteries:
1. Insert AC plug into wall outlet.

⚠️ To prevent insufficient power, plug chair in to charge batteries overnight (i.e. during off-times), or 24 hours prior to service.

⚠️ When the chair is plugged in and charging the pendant will not illuminate, even when buttons are pushed.

⚠️ If chair is to be stored or not in use for more than 1.5 weeks, leave chair plugged into an AC wall outlet or unplug battery pack from control box.

To unplug battery pack; lift up base cover to access control box, remove control box cover by unlocking mechanism using a flathead and then sliding the cover off to access the plugs. Then unplug the battery pack cord shown.
ALL EXCESS WIRE IS PLACED IN FRONT OF CONTROL BOX

GROUND WIRE ATTACHES TO GROUND POST
(“A” OPTION ONLY)

BATTERY CORD PLUGS INTO PORT #13

COLUMN PLUG (TMM4-X) OR PLUGS (TMM4-XT) PLUG INTO PHONO TO DIN ADAPTER PLUGS THEN PLUG INTO PORTS #1 (AND PORT #2 FOR TMM4-XT)

LONGEST WIRE FROM WIRING ASSEMBLY IS THE BACK SECTION ACTUATOR – PLUGS INTO PORT #3

MIDDLE LENGTH WIRE FROM WIRING ASSEMBLY IS THE LEG SECTION ACTUATOR – PLUGS INTO PORT #4

SHORTEST LENGTH WIRE FROM THE WIRING ASSEMBLY IS FOR THE SEAT TILT ACTUATOR – PLUGS INTO PORT #5

PENDANT CABLE PLUGS INTO PORT #9
# 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></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.
PAD REMOVAL INSTRUCTIONS

When removing cushions, pull laterally. Do not pull from top to bottom.

PREVENTIVE MAINTENANCE

To ensure proper operation and extend the chair’s life, it should be maintained on a regular basis as shown below.

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>FREQUENCY</th>
<th>PROCEDURE</th>
<th>TOOL</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cushion Pads</td>
<td>After each use</td>
<td>• Inspect for tears</td>
<td>-</td>
<td>• If torn, discard cushion.</td>
</tr>
<tr>
<td>All Rails</td>
<td>Every three months</td>
<td>• Inspect for chipped paint, burrs, rough edges.</td>
<td>Metal file</td>
<td>• To prevent personnel cuts, burrs and rough edges should be removed once found.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Remove burrs, rough edges.</td>
<td>Touch-up paint</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Touch up paint</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Fastened Joints</td>
<td>Every three months</td>
<td>• Inspect all fasteners to ensure proper fit and tightness.</td>
<td>Wrenches (various sizes)</td>
<td>Call TMM Customer Service if pendant is not functioning or label is unreadable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Retighten as needed.</td>
<td>Allen wrenches (various sizes)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Screwdriver</td>
<td></td>
</tr>
<tr>
<td>All Labels</td>
<td>Every three months</td>
<td>• Inspect for tattered, torn, missing, and illegible labels.</td>
<td>-</td>
<td>Call TMM Customer Service for new labels.</td>
</tr>
<tr>
<td>Pendants</td>
<td>Every three months</td>
<td>• Test function of each button</td>
<td>-</td>
<td>Call TMM Service if pendant is not functioning or label is unreadable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inspect pendant label to ensure it is readable.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SERVICE INFORMATION

**CAUTION**  PROPERLY DISPOSE OF BATTERIES BEING REPLACED DURING SERVICING

- Battery posts, terminals, and related components contain lead and lead compounds, which are known by the state of California to cause cancer or other reproductive harm. Wash hands thoroughly after handling or servicing.
- Lead battery is classified as “dangerous waste” and service technician is obliged by law to arrange for proper disposal of battery, or recycling, to avoid battery refuse in environment.
- Battery contains toxic material (lead) and corrosive fluid (sulfuric acid). Wear proper skin and eye protection prior to handling battery. After exposure, wash skin thoroughly with water.
- Do NOT short-circuit battery terminals, which can cause battery explosion or fire.
- To request Material Safety Data Sheet (MSDS) for battery, contact TransMotion Medical Customer Service.

**BATTERY LIFE**

- Battery capacity diminishes over time. Charge batteries regularly to maintain healthy battery life.
- Recommended to replace battery every two years or as required.

Customer service and support are important aspects of each TransMotion Medical product.

Prior to contacting TransMotion Medical for assistance with your chair, please HAVE YOUR CHAIR’S SERIAL NUMBER HANDY. (Refer to label diagram for location.)

Contact TransMotion Medical Service at:

TransMotion Medical  
ATTN: Customer Service  
5516 S.W. 1st Lane  
Ocala, FL 34474-9307  
United States of America

Phone: 1-800-237-3377  
1-352-854-2929

Fax: 1-352-854-9544

Manufacturer of Device:  
TransMotion Medical  
5516 S.W. 1st Lane  
Ocala, FL 34470-9307  
United States of America

Authorized Representative in Europe:  
Emergo Europe  
Molenstraat 15  
2513 BH, The Hague  
The Netherlands

CE