



TransMotion

by Winco



OPERATION MANUAL

Model TMM5 PLUS Series

Surgi-Chair Series

Options:

W	Wide
T	Tall
L	Low
F	Folding Footrest
E	Export
B	Battery
A	AC Power

5516 S.W. 1st Lane – Ocala, FL 34474-9307
Phone: 1-800-237-3377 - Fax: 1-352-854-9544
www.transmotionmedical.com

TABLE OF CONTENTS

IMPORTANT NOTES ABOUT THIS MANUAL	3
INTENDED USE STATEMENT	3
TRANSPORTATION, STORAGE, HANDLING & DISPOSAL	3
PREPARATION: BEFORE YOU BEGIN	4
POWER / CABLE REQUIREMENTS.....	4
SPECIAL NOTES - SIGNAL WORDS	4
SAFETY PRECAUTIONS	5-8
LABELING DIAGRAMS (TMM5 PLUS-B shown)	9
OPERATING INSTRUCTIONS.....	11
BACK SECTION QUICK RELEASE.....	11
CASTER BRAKE OPERATION	12
SIDE RAIL OPERATION	12
ADJUSTING SIDE RAIL ANGLE	13
PENDANT (CONTROLLER)	15
PATIENT INGRESS / EGRESS	16
PATIENT TRANSFER	16
PUSH BAR OPERATION	17
HEADREST OPERATION.....	17
OPTIONS	18
“W” OPTION: WIDE WIDTH.....	18
“T” OPTION: TALL HEIGHT	18
“L” OPTION: LOW HEIGHT.....	18
“F” OPTION: FOLDING FOOTREST	19
“E” OPTION: EXPORT	19
“B” OPTION: BATTERY PACK.....	20
“A” OPTION: AC POWER (for on-board batteries and charger)	21
SUPPORT LEG OPERATION.....	22
SWITCH SCHEMATIC	24
CLEANING INSTRUCTIONS	25
PAD REMOVAL INSTRUCTIONS	27
PREVENTIVE MAINTENANCE	27
BATTERY SAFETY & CHARGING INFORMATION.....	28
WARRANTY INFORMATION	29
SERVICE & CONTACT INFORMATION	30

IMPORTANT NOTES ABOUT THIS MANUAL

This Operations Manual is designed to assist you with operating your TransMotion by Winco 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 by Winco 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 by Winco 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.

INTENDED USE STATEMENT

TMM PLUS Stretcher-Chairs are intended for use in patient treatment, transport and/or recovery within a hospital, clinic, same-day/ambulatory surgery center, or similar environment.

The pendant control is NOT INTENDED FOR PATIENT USE.

A surgeon and/or clinician must always rely on his or her own clinical knowledge when deciding whether to use a TMM PLUS Stretcher-Chair when treating a patient.

TRANSPORTATION, STORAGE, HANDLING & DISPOSAL

The product should be transported in factory packaging, inside an appropriate medium for the destination, i.e., air/sea cargo containers.

The product should be stored in an environment that will inhibit rust/mold formation.

Winco Mfg., LLC recommends not leaving the product in the factory packing in excess of three (3) months.

The product should always be handled in a manner consistent with the user instructions and in a manner to prevent contamination after each use.

The product has many recyclable components and to the extent practical, all effort should be used to recycle responsibly. Otherwise the product components shall be disposed of in accordance with local statutes.

PREPARATION: BEFORE YOU BEGIN

1. Carefully examine your product for any damage. Be sure to inspect all components. IF DAMAGE IS EVIDENT, CONTACT FREIGHT CARRIER OR WINCO IMMEDIATELY.
2. Remove all packaging material and any hardware that was secured for shipping.
3. Carefully remove all components and any included tools and/or parts from the carton.
4. You may need to cut packaging materials with a box cutter or scissors to access the product. Use CAUTION to avoid personal injury or damage to the product.
5. Save all boxes and packaging material until AFTER you have assembled your product and have verified that all components are functioning properly. These materials are required if it becomes necessary to return the product.
6. DO NOT install, maintain or operate this equipment without reading and following this manual, otherwise injury and/or damage may result. IF YOU HAVE QUESTIONS OR CONCERNS PLEASE CONTACT WINCO MFG., LLC.

WINCO ASSUMES NO RESPONSIBILITY FOR DAMAGE OR INJURY CAUSED BY IMPROPER ASSEMBLY, INSTALLATION, USE, OR MAINTENANCE OF THESE PRODUCTS.

POWER / CABLE REQUIREMENTS

Only use the power/charging cord that came with your product.

See also sections for options A, B & E for additional details regarding powering this product.

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:



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



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



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:



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.
- in its lowest position.



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.



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.



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).



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.



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).



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 by Winco is to be mounted on surgical rails. TransMotion by Winco 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:



DO NOT MODIFY CHAIR

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



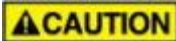
USE SAFE OPERATING PROCEDURES

- Prior to operating chair, ensure patient clearance by moving any overhanging equipment, or moving chair from under a table, to prevent patient injury.
- For TMM5 PLUS, chair must be at least 24 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).



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 by Winco 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

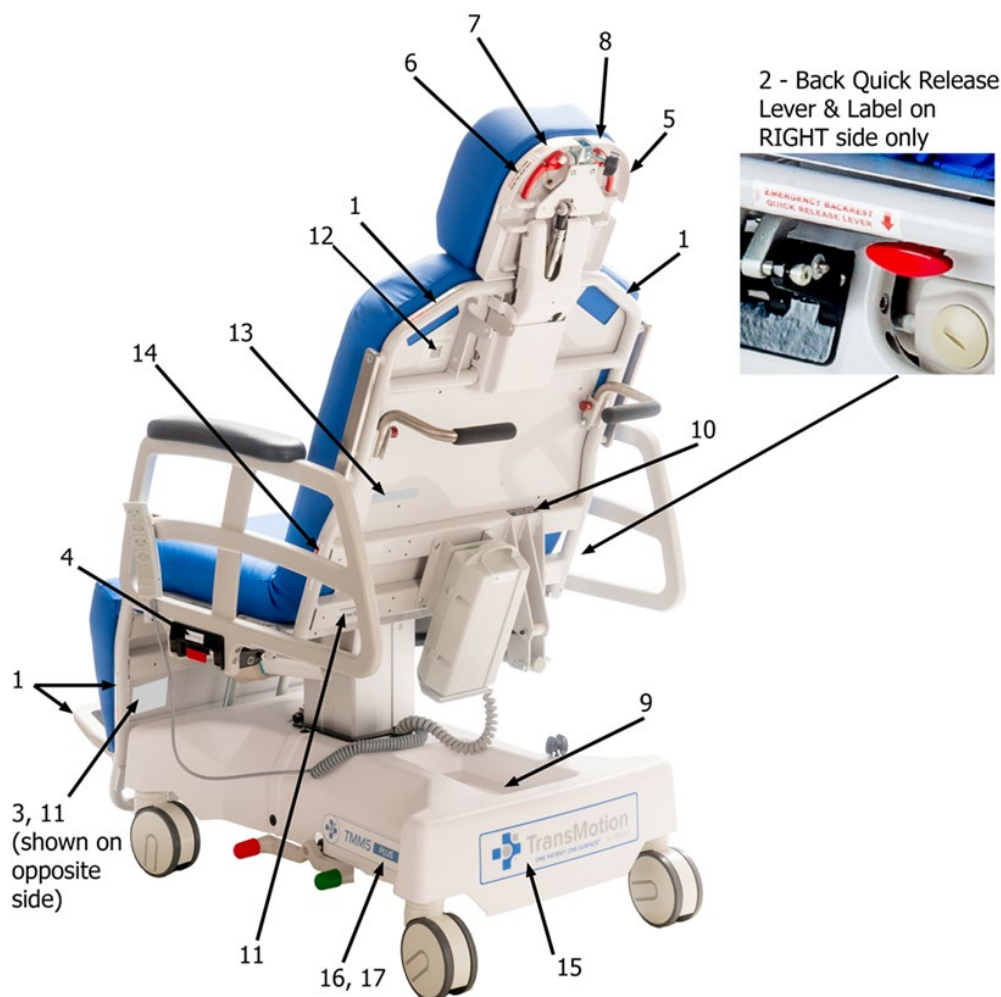
- *For "B" Option Only*
If chair is to be stored or not in use for four (4) days or more, remove battery pack from chair. Refer to Battery Charger Installation and Usage Instructions (IM TMA57-15), under the "Cautionary Usage Instructions" section, for more information.
- *For "A" Option Only*
If chair is to be stored or not in use for four (4) days or more, 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 (TMM5 PLUS-B shown)



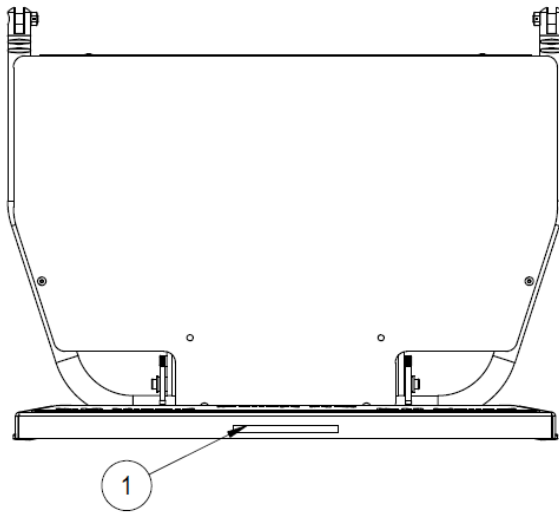
INSPECT LABELS PERIODICALLY

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 by Winco Customer Service at 1-800-237-3377.



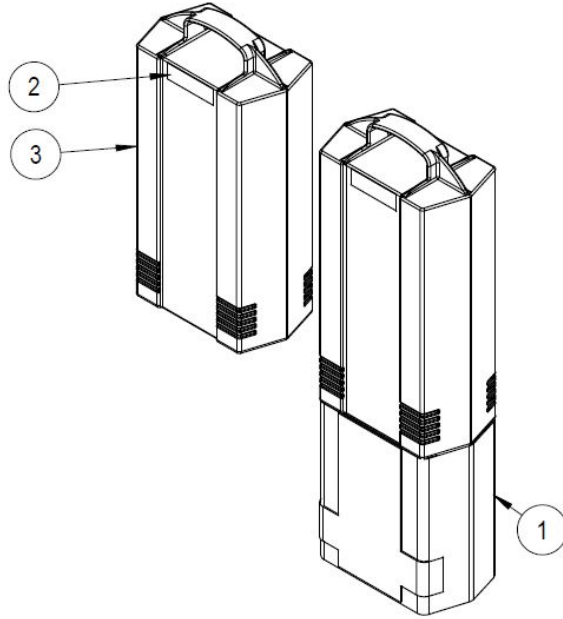
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
17	TMM-2451-10	TMM5 X PLUS BASE COVER LABEL	2
16	TMM-2450-10	TMM5 PLUS BASE COVER LABEL	2
15	TMM-2448-10	LABEL BASE COVER	1
14	TMM-2355-10	SURGICAL SUPPORT LOCKED LABEL	1
13	TMM-2354-10	SURGICAL SUPPORT NOTICE LABEL	1
12	TMM-2247-10	LABEL, QR CODE TMM VIDEOS	1
11	TMM-1216-10	BLANK SERIAL NUMBER LABEL	1
10	TMM-754-10	MAX WEIGHT LABEL 500LB	1
9	TMM-684-10	COVER CLEARANCE CAUTION LABEL (X-MODELS ONLY)	1
8	TMM-446-10	HEIGHT ADJUSTMENT OPERATION LABEL	1
7	TMM-445-10	ARTICULATION OPERATION LABEL	1
6	TMM-444-10	HEAD REST PUSH CAUTION	1
5	TMM-443-10	HEAD REST LOAD LABEL	1
4	TMM-214-10	PRODUCT LABEL- SMALL	2
3	TMM-209-10	SERIAL NUMBER OVERLAY	1
2	TMM-207-10	BACKREST QUICK RELEASE LABEL	1
1	TMM-202-10	CHAIR END WARNING LABEL	5

FOLDING FOOTREST OPTION
DESIGNATOR: "F"



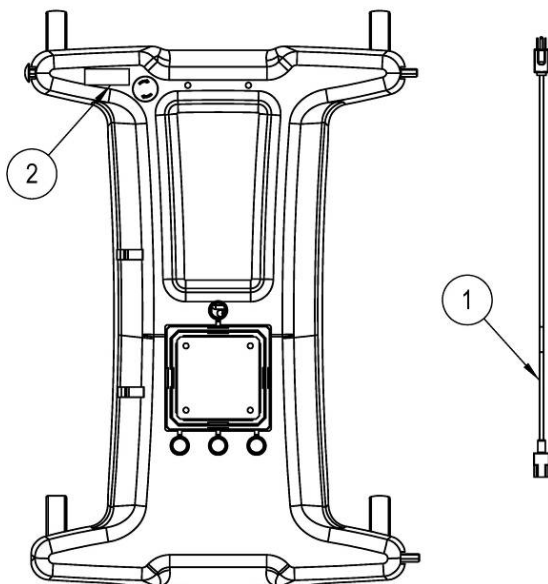
1	TMM-202-10	CHAIR END WARNING LABEL	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

BATTERY OPTION
DESIGNATOR: "B"



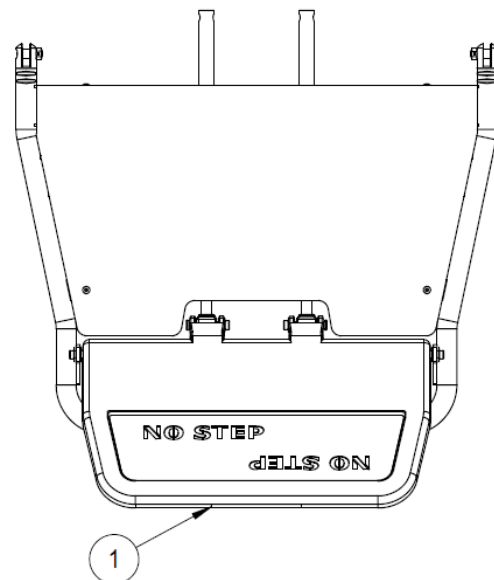
3	TMM-311-03	MOBILLETTE BATTERY PACK	2
2	TMM-214-10	PRODUCT LABEL - SMALL	2
1	TMA57-15	UNIVERSAL CHARGER ASSEMBLY	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

EUROPEAN OPTION
DESIGNATOR: "E"



2	TMM-1220-10	EMERGENCY POWER CUT-OFF LABEL	1
1	TMM-1057-XXXXXX	POWER CORD - UNIVERSAL CHARGER	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

ARTICULATING FOOTREST OPTION
DESIGNATOR: "NON-F"



1	TMM-202-10	CHAIR END WARNING LABEL	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

OPERATING INSTRUCTIONS

BACK SECTION QUICK RELEASE

LOCATE RELEASE LEVER

Back section quick release (red) lever 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 by Winco 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.

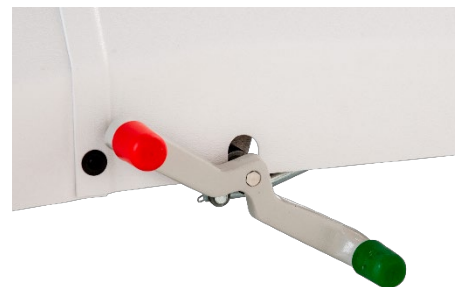


STEER MODE

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.



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).



RAISING SIDE RAIL

Lift side rail until it is in “up” position.

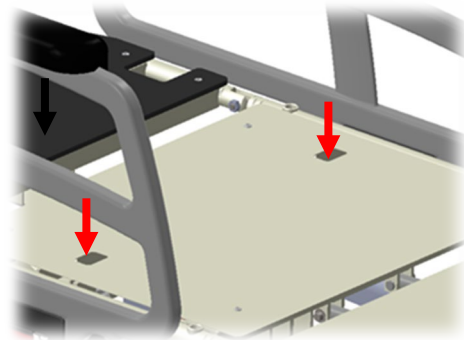


- Red rail release tab will engage (lock) automatically.
- Ensure side rail is secure by pulling on rail after it is raised.



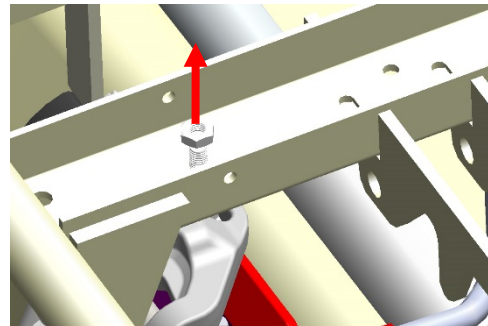
ADJUSTING SIDE RAIL ANGLE

Remove seat cushion to expose access holes in seat pan.

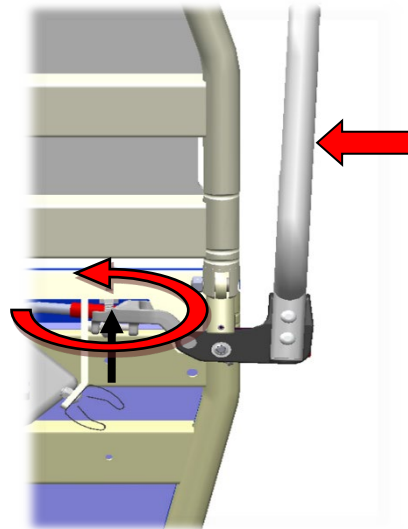


Loosen top jam nut found in access holes.

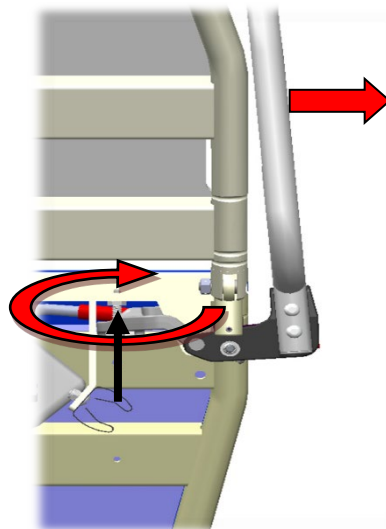
(Seat pan is not shown in image for instruction purposes only and to allow visibility of jam nut).



To move inward, rotate bottom jam nut as shown.



To move outward, rotate bottom jam nut as shown.



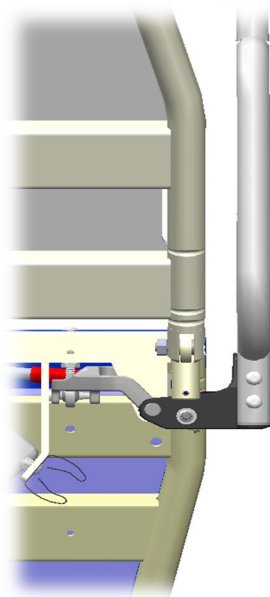
Once aligned, tighten top jam nut.



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 cushion.



PENDANT (CONTROLLER)

⚠ 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

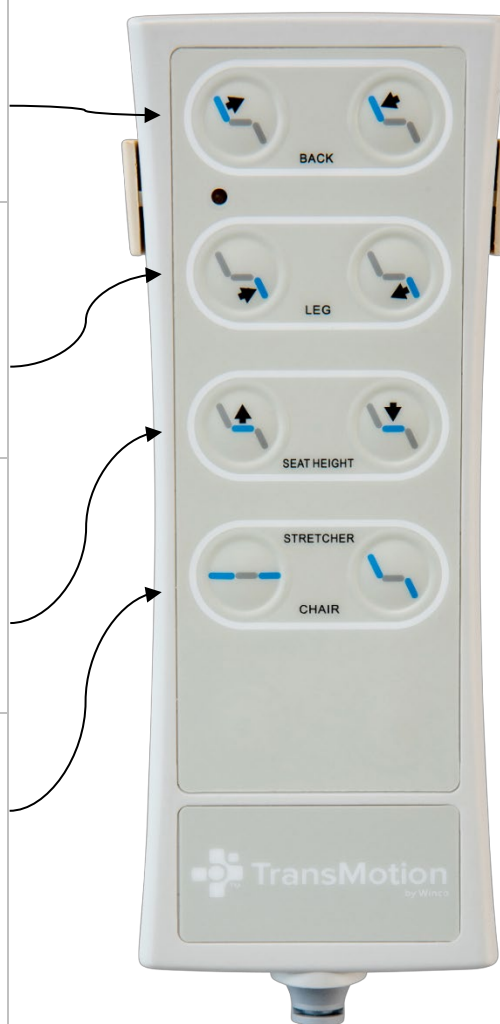
Third row of pendant buttons controls height of seat section.

- 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.



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.



HEADREST OPERATION



TO ENSURE PATIENT SAFETY WHEN CHAIR IS OCCUPIED, BE PREPARED TO SUPPORT HEADREST DURING ADJUSTMENT.



During adjustment, use at least one hand to support headrest while other hand operates one of two red handles. For best control, operate one handle at a time, while supporting headrest with both hands.

HEADREST ADJUSTMENT

- Position yourself directly behind headrest.
- Support headrest with both hands.
- Articulate headrest angle by squeezing left red handle. Once correct angle is achieved, release red handle to lock.
- Adjust headrest height by squeezing right red handle. Once correct height is achieved, release red handle to lock.



OPTIONS

“W” OPTION: WIDE WIDTH

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

Standard width is 24”.



24” standard



28” “W” option

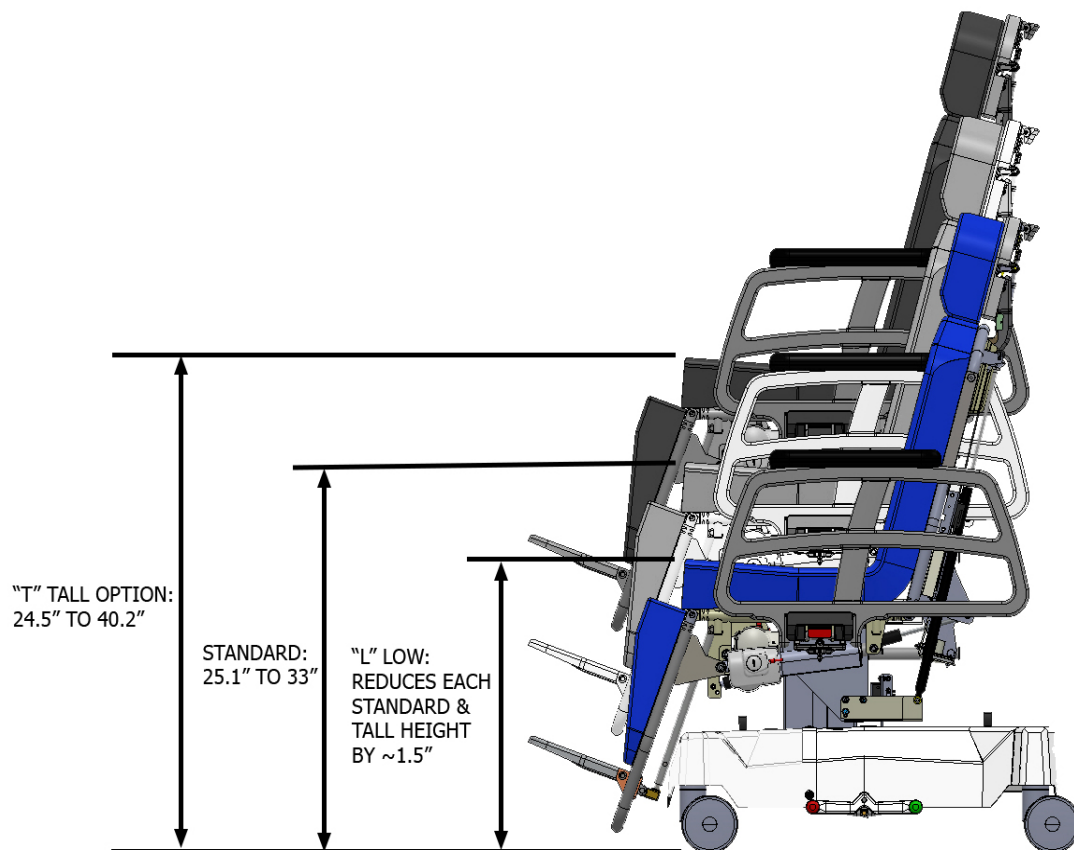
“T” OPTION: TALL HEIGHT & “L” OPTION: LOW HEIGHT

For “T” option, chair height travel is 16”.

Standard travel is 8”.



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



“F” OPTION: FOLDING FOOTREST

CAUTION

WHEN POSITIONING FOOTREST, BE AWARE OF PINCH POINTS

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



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



EXTENDED FOOTREST



STOWED FOOTREST

“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 depicted in image may not match power cord shipped with your chair.



OPERATING RED POWER SHUTOFF BUTTON

- When button is pressed, following items are disabled:
 - Chair Articulation
 - Seat Height Adjustment
- To reset red button, twist clockwise until button pops back up.



EMERGENCY SHUTOFF PROCEDURE

During an emergency shutoff due to erratic performance, follow these steps:

1. Immediately press the RED emergency shutoff button on back of base cover to disable all electrical components.
2. Using proper safe patient handling procedures, assist patient with egress from chair.
3. Call TMM Service Department to report incident and to initiate investigation.
4. Discontinue chair use until cleared by TMM Service Department.

“B” OPTION: BATTERY PACK

REMOVING BATTERY PACK FROM CHAIR

Grasp integrated handle on battery pack and lift up until cam locks disengage. Pull battery away from mounting bracket.



INSTALLING BATTERY PACK ONTO CHAIR

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.



ADDITIONAL BATTERY INFORMATION

All chairs come with additional battery and wall-mountable battery charger. Additional battery may be stored in wall charger or on mobile battery stand.

For more information related to the battery and charger, see Battery Charger Installation and Usage Instructions (IM TMA57-15).



“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:

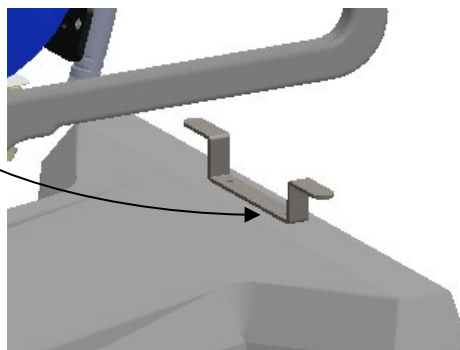
1. Insert AC plug into wall outlet.



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

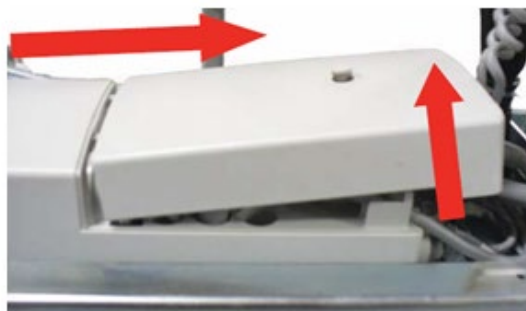


When the chair is plugged in and charging the pendant will not illuminate, even when the buttons are pushed.



If chair is to be stored or not in use for four (4) days or more, 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.



SUPPORT LEG OPERATION (OPTIONAL)



- Using support leg increases stability of back section and headrest.
- To prevent chair damage, the back and tilt motors are disengaged while the support leg is in the locked position. If you need to adjust the back/seat angle return the support leg lever to the “unlocked” position, adjust the back/seat, and then re-lock the support leg lever.

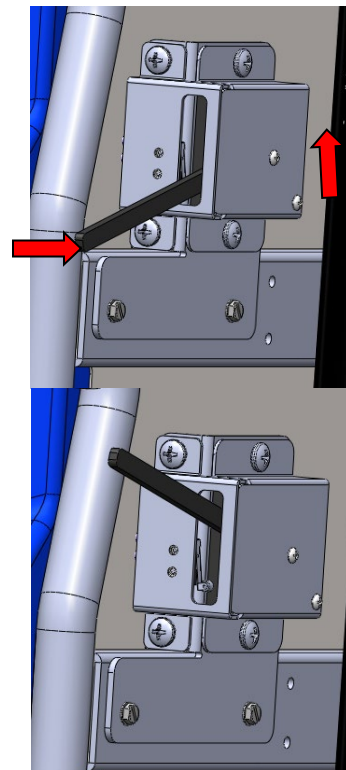
POSITION CHAIR

Using the pendant position the back and seat sections of the chair to the desired angle.



LOCK SUPPORT LEG

Locate the support leg locking lever on the lower left side of the back section. Pull the lever away from the back section of the chair and push it towards the head section.



ADJUST CHAIR POSITION

While the support leg is locked the seat height and leg position can be adjusted.

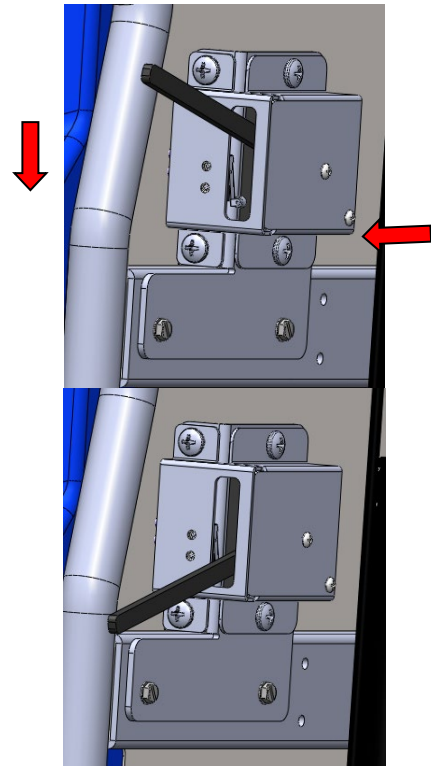


UNLOCK SUPPORT LEG

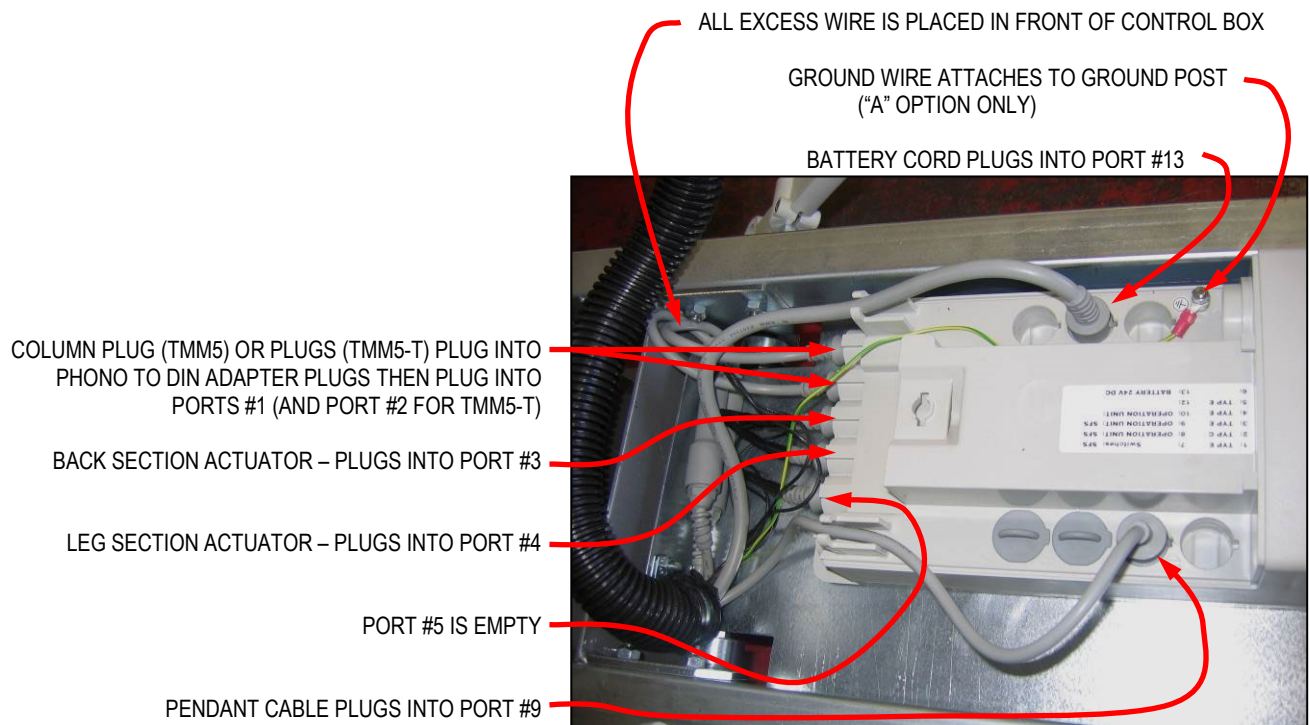
Return chair to normal function by moving the locking lever to the “unlocked” position by pulling the lever towards the bottom of the back section and then pushing in.



Ensure the locking lever is completely stowed to return the chair to normal function.



SWITCH SCHEMATIC



CLEANING INSTRUCTIONS



STEAM AND/OR PRESSURE CLEANING CHAIR WILL VOID WARRANTY

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

* 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 by Winco 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 by Winco 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 must be maintained on a regular basis as shown below.

COMPONENT	FREQUENCY	PROCEDURE	TOOL	COMMENT
Cushion Pads	After each use	Inspect for tears.	-	<ul style="list-style-type: none"> If torn, discard cushion.
All Rails	Every three months	<ul style="list-style-type: none"> Inspect for chipped paint, burrs, rough edges. Remove burrs, rough edges. Touch up paint. 	<ul style="list-style-type: none"> Metal file Touch-up paint 	<ul style="list-style-type: none"> To prevent personnel cuts, burrs and rough edges should be removed once found.
All Fastened Joints	Every three months	<ul style="list-style-type: none"> Inspect all fasteners to ensure proper fit and tightness. Retighten as needed. 	<ul style="list-style-type: none"> Wrenches (various sizes) Allen wrenches (various sizes) Screwdriver 	
All Labels	Every three months	Inspect for tattered, torn, missing, and illegible labels.	-	<ul style="list-style-type: none"> Call TMM Customer Service for new labels.
Pendants	Every three months	<ul style="list-style-type: none"> Test function of each button Inspect pendant label to ensure it is readable. 	-	<ul style="list-style-type: none"> Call TMM Service if pendant is not functioning or label is unreadable

BATTERY SAFETY INFORMATION



TO PREVENT PERSONAL INJURY TO PATIENT AND / OR MEDICAL PERSONNEL, ENSURE BATTERY REPLACEMENT IS PROPERLY INSTALLED AND SECURELY ENGAGED PRIOR TO USE OF ACCESSORY.



TO PREVENT PERSONAL INJURY TO PATIENT AND / OR MEDICAL PERSONNEL, ENSURE BATTERY REPLACEMENT IS INSTALLED BY PERSONNEL WHO HAVE THOROUGHLY READ INSTALLATION INSTRUCTIONS.



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 by Winco 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.

Suggested Protocol for Charging Your TMM Battery:

1. Ensure the cord for your TMM Battery Charger is fully inserted into the battery charger inlet.
2. Plug your TMM Battery Charger directly into an outlet. Do NOT use an extension cord or power strip. Extension cords and/or power strips can cause a “drop” in current that may hinder the charger’s ability to charge the battery efficiently.
3. Slide the TMM Battery downward onto the TMM Battery Charger making sure the battery is properly seated onto the charging port.
4. Check to see if either an orange light (indicating the battery is “charging”) or a green light (indicating the battery is “fully charged”) appears.
5. Charge your TMM Battery for eight (8) hours or until the Green light indicator appears to ensure an optimum charge is achieved.
6. Rotate batteries from charger to chair every two (2) to three (3) days to maintain an optimum charge on the batteries.
7. When your TMM Stretcher-Chair is not in use for extended periods of time (four (4) days or more) unplug the battery from the Stretcher-Chair to prevent battery drainage.
8. Replace your TMM Battery every two (2) years (recommended) or as required.

WARRANTY INFORMATION

TRANSMOTION BY WINCO LIMITED WARRANTY

Winco Mfg., LLC provides the following Limited Warranty covering defects in material and workmanship on TransMotion by Winco products:

Seven-Year / Lifetime Warranty: Frames / Welds.

Two-Year Warranty: Components.

The Limited Warranty period begins when the product is delivered to the Buyer.

The Limited Warranty applies when the product is used and cared for as specified by Winco Mfg., LLC. If the product is not used and cared for as specified, the Limited Warranty is void. Adjustments under this Limited Warranty will be made only after completion of inspection of the part or product by Winco Mfg., LLC. Winco Mfg., LLC's liability under the Limited Warranty shall extend only to the replacement of any defective component or product determined Winco Mfg., LLC's inspection as not conforming to this Limited Warranty.

Winco Mfg., LLC's liability for any defects in goods is limited to invoice price or replacement cost of the defective goods, whichever is lower. This Limited Warranty excludes any labor charges arising from such replacement. The following goods are excluded from the Limited Warranty: 1) Batteries.

The Limited Warranty for any goods sold as a "demonstration" unit shall be limited to a period of one (1) year.

** An Extended Limited Warranty is available AT THE TIME of PURCHASE. Contact our Customer Care team for additional details.

SERVICE & CONTACT INFORMATION

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

Prior to contacting TransMotion by Winco for assistance with your chair, please **HAVE YOUR CHAIR'S SERIAL NUMBER AVAILABLE**. (Refer to label diagram for location.)

Contact TransMotion by Winco Service at:


TransMotion by Winco
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:
Winco Mfg., LLC
5516 S.W. 1st Lane
Ocala, FL 34474-9307
United States of America

	Operation Manual	
	Description: TMM5 PLUS SERIES MANUAL	Document No.: OM TMM5 PLUS SERIES
	Prepared By: D. Myers	Date Originated: 11-07-2019

Revision History

<i>Revision Letter</i>	<i>Date</i>	<i>Changed by</i>	<i>Description</i>
A	11-07-19	D. Myers	New Manual