



# Field Installation and Usage Instructions

**Part No. TMA57-15**

**BATTERY CHARGER WALL MOUNT**

*For all model TMM chairs*



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## IMPORTANT NOTES ABOUT THIS MANUAL

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This Field Installation and Usage Instruction manual is intended to assist you with installation of 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, CAUTIONS, and instructions, contact TransMotion Medical Customer Service before attempting to operate or service the equipment. Otherwise, personal injury or property damage may result.

To ensure 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 operation may vary slightly from unit to unit due to tolerance variations.

Figures contained within this document may not depict exactly the model you have. This document may cover many closely related models.

## SPECIAL NOTES - SIGNAL WORDS

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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

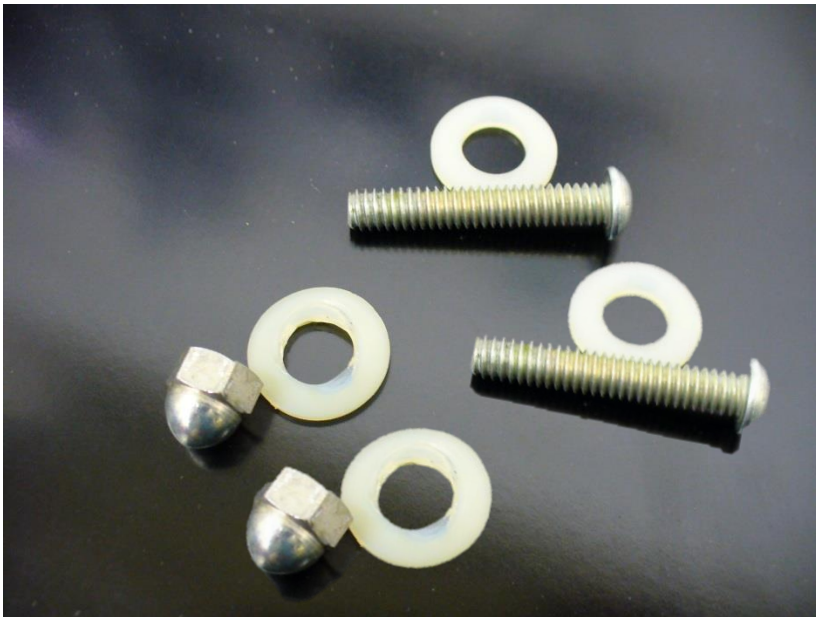
A writing utensil and ruler are required.



If you'd like to mount the battery replacement charger to a wall, a drill, and three #10 size screw and appropriate wall anchors are required. (Below)



If you wish instead to mount the battery charger replacement on the optional mobile stand, you will need a 7/16 crescent wrench and a 5/32 hex key wrench. (Below)



## PARTS INCLUDED FOR TMA57-15

Battery Charger Wall Mount is shipped (as shown here) and does not require added assembly.

If any features seem damaged due to shipping, contact TMM Service Department toll-free at 1-800-237-3377.



## INSTALLING BATTERY CHARGER WALL MOUNT ON DRYWALL

1. Determine a place to mount the battery charger. The location should be a convenient height for lifting a battery. The wall mount should also be near an electrical outlet.



2. Hold the wall mount bracket where you want to place it on the wall. Use the pencil to mark where to put the wall anchors, or use the Charger Specifications sheet to determine and mark proper wall anchor placement.



3. Use the drill to screw the wall anchor into the drywall.



4. Insert all three of the wall anchors in the appropriate locations. Now you are ready to mount the wall charger.



5. Place the battery charger bracket over the wall anchor and then insert the screw. Use the drill and an appropriate drill bit to secure to the wall.



6. Repeat with the second screw.



7. Finish with the last screw.





8. Plug the cord into the bottom of the wall mount. Plug the other end into the nearest electrical outlet.



9. To charge the battery, slide the battery downward onto the battery charger.



10. Your battery charger wall mount is now ready for use!

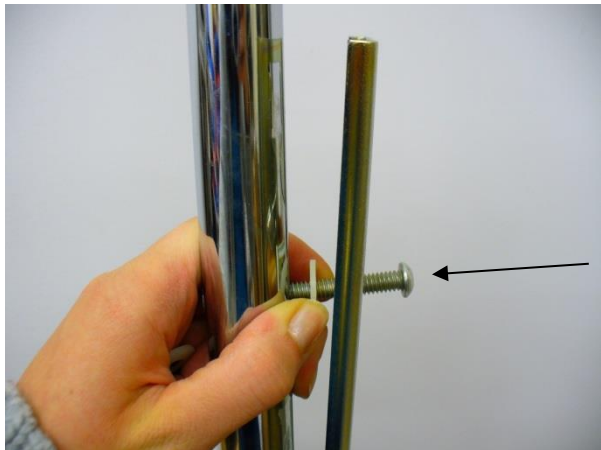


## INSTALLING BATTERY CHARGER ONTO MOBILE STAND

1. Align the holes in the metal rod and the battery charger bracket.



2. Slide the screw through the battery charger bracket, through a plastic washer, and then through the charger rod.



3. Slide another washer on and finish with the nut.



4. Use a 5/32 hex wrench and a 7/16 crescent wrench to secure the battery charger bracket to the stand. Repeat with the mounting hole directly below the battery charger.



5. The battery charger is now ready for use!



## CAUTIONARY USAGE INSTRUCTIONS

When using this accessory, please follow these cautionary usage instructions:

**CAUTION** TO PREVENT PERSONAL INJURY TO PATIENT AND / OR MEDICAL PERSONNEL, ENSURE BATTERY CHARGER WALL MOUNT IS PROPERLY INSTALLED AND SECURELY ENGAGED PRIOR TO USE OF ACCESSORY.

**CAUTION** TO PREVENT PERSONAL INJURY TO PATIENT AND / OR MEDICAL PERSONNEL, ENSURE BATTERY CHARGER WALL MOUNT IS INSTALLED BY PERSONNEL WHO HAVE THOROUGHLY READ INSTALLATION INSTRUCTIONS.

**CAUTION** TO PREVENT DAMAGE TO BATTERY AND CHARGER, THE BATTERY SHOULD NOT BE LEFT ON THE CHARGER FOR AN EXTENDED PERIOD OF TIME. IT IS RECOMMENDED THAT THE BATTERY BE ROTATED INTO USE AT LEAST EVERY TWO WEEKS.

## CLEANING INSTRUCTIONS

**CAUTION** 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 Medical 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.
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\* 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.

## SERVICE INFORMATION



### 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.

# CHARGER SPECIFICATIONS



CHARGER SPECIFICATIONS	
<b>Model:</b>	<b>Description:</b>
TMA57-15	Universal Battery Charger

CHARGER ELECTRICAL SPECIFICATIONS:	
Product Classification:	Internally Powered
Applied Part:	Type B
Mode of Operation:	1 Min Load/9 Min Rest
Voltage:	24v DC
IP Rating:	IPX0

CHARGING SYSTEM SPECIFICATIONS:	
Input:	100-240v~ 1.0A (Max.) 50/60Hz
Output:	+24v — 1.5A
Max Power:	36.0W
2 Battery Packs:	24v – 4.5Ah Sealed Lead Acid

APPLICABLE STANDARDS:	
	<b>MEDICAL EQUIPMENT</b> WITH RESPECT TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH UL 2801-1, IEC 60601-1 AND CAN/CSA C22.2 No. 601.1
Quality System:	ISO 9001:2008 With Design

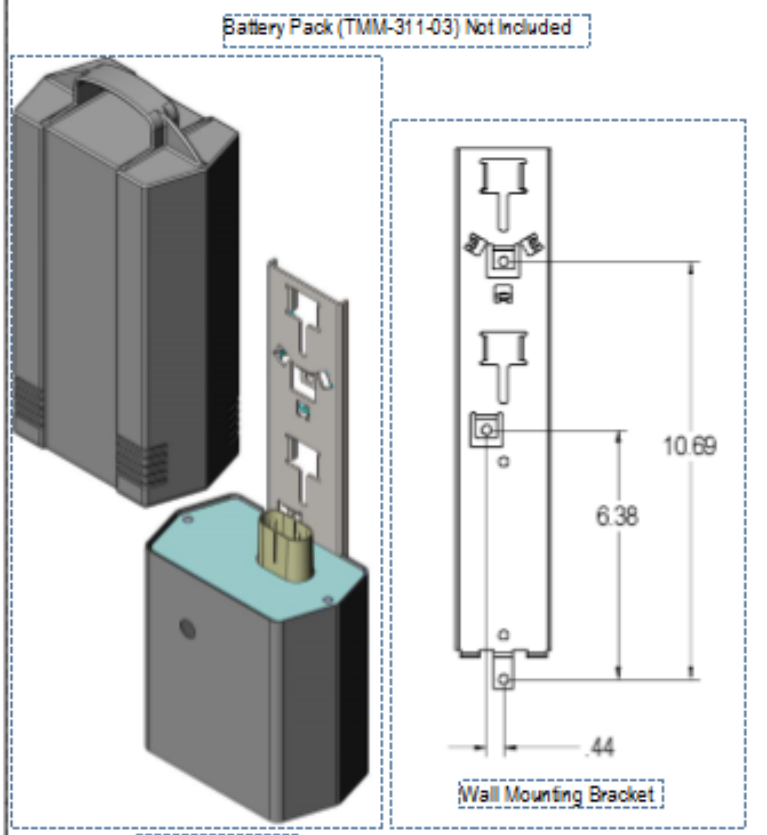
CHARGER CYCLE:	
<b>LED Flash</b>	Deep Discharge Pulse Mode: The charger starts charging at 0.5V and pulses current until 5.0V.
<b>LED Orange</b>	Constant Current Mode: Charges at a constant current of 1.5A until the battery reaches 23.5V where the charger changes from constant current to constant voltage.
<b>LED Orange</b>	Constant Voltage Mode: The charger holds the battery at 23.5V and current slowly reduces while the battery continues to charge. When the current reaches the switching point (10% of the constant current), the charger adjusts current automatically according to battery capacity.
<b>LED Green</b>	Standby Voltage Mode: The charger maintains the battery voltage at an ideal 27.0V. Current slowly reduces to zero when the battery is completely charged, the battery can be left connected to the charger without being harmed. Ensure proper battery rotation cycle of rotating batteries at least every two weeks is maintained to maximize battery life.
<b>LED Orange</b>	Return To Constant Current Mode: If the battery voltage drops below 27.0V the charger recycles back to constant current mode and restarts charging. The charging cycle repeats.

**CHARGER SPECIFICATIONS:**

TMA57-15 Universal Charger is connected directly to the mains supply using the supplied power cord.

The charger uses a cord with prongs consistent with the resident country at one end and IEC 60320 C13 connector on the other.

Protection: Reverse Polarity, Short Circuit, Over-Voltage, Over-Current, AC Surge, Soft Start and Stop.



**CAUTION—RISK OF ELECTRICAL SHOCK HAZARD: CHARGE BATTERIES OUTSIDE PATIENT ENVIRONMENT**

The TMA57-15 universal charger is to be mounted on a wall or the optional mobile stand. The charger must be positioned such that the battery pack is upright to assure the battery will remain engaged to the charging unit.

Use three #10 size screws and appropriate wall anchors to assure secure mounting.

For service/warranty questions call 1-330-239-4192 attn: service.

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