



5005 Bariatric Power Treatment Table Service Manual



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1 IMPORTANT INFORMATION

1.1 READ THIS FIRST!

- 1.1.1 Safety First: The primary concern of UMF Medical is that this equipment is operated and maintained with the safety of the patient and doctor in mind.
- 1.1.2 **WARNING:** Personal injury can result from improper maintenance or repairs. Only persons specially trained and qualified in the maintenance and repair of medical furniture and equipment should service this equipment. UMF Medical assumes no responsibility for improper repair or maintenance of its products.
- 1.1.3 If you encounter an issue which is not covered in this service manual, please contact the technical service department at UMF Medical for assistance. Under no circumstances should this table be modified from its original design, nor should it be used for purposes other than those for which it was originally designed. Failure to adhere to these requirements voids the warranty on this product.

1.2 ENVIRONMENTAL CONDITIONS

Transport and storage temperature range: -20°C to 40°C
Maximum transport, storage, or operating humidity: 95%
Standard operating temperature range: 0°C to 40°C

1.3 CLASSIFICATIONS




Protection against electric shock: Class I, Class B Applied Parts

Protection against harmful ingress of water: Ordinary

Mode of Operation: Continuous operation

Equipment is not suitable for use in the presence of a flammable anesthetics mixture with air or with oxygen or with nitrous oxide

1.4 SAFETY SYMBOLS

WARNING	The warning symbol identifies special instructions or procedures, which if not correctly followed could result in personal injury.
CAUTION	The caution symbol identifies special instructions or procedures, which if not correctly followed could result in danger or damage of equipment.
	UL Classification mark with respect to electric shock, fire, and mechanical hazards only in accordance with UL60601-1
	Attention, consult accompanying documents
	Type B, Applied Part

2 WARRANTY INFORMATION

United Metal Fabricators Inc. d.b.a. UMF Medical warrants its products to the original purchaser at retail to be free from defective material and workmanship under normal use and service for a period of three (3) years. United Metal Fabricators Inc. d.b.a. UMF Medical warrants its Signature Series Examination Tables (52xx model numbers) and Treatment and Orthopedic Tables (55xx model numbers) to the original purchaser at retail to be free from defective material and workmanship under normal use and service for a period of five (5) years.

What we will do:

United Metal Fabricators Inc. d.b.a. UMF Medical will replace all defective parts free of charge that are covered by this limited warranty. For warranty service information, contact the dealer through whom the item was purchased or our customer service department.

What you must do for the warranty service:

Box or crate the product carefully, preferably in the original carton. Ship insured with a copy of your bill of sale plus a letter of authorization or return goods from United Metal Fabricators Inc. d.b.a. UMF Medical, to the address given on cover page, FOB Factory (CPT factory if product is outside the U.S.A.). No other warranty is applicable to this product. The duration of any implied warranties, including the implied warranty of merchantability, is limited to the duration of the express

warranty herein. United Metal Fabricators Inc. d.b.a. UMF Medical shall not be liable for the loss of the use of this product, inconvenience, loss or other damages, direct or consequential, arising out of the use of, or inability to use, this product or for any breach of any express or implied warranty of merchantability applicable to this product.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This gives you specific legal rights and you may also have other rights, which may vary from state to state.

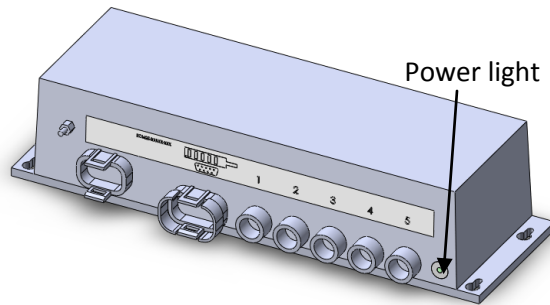
What is not covered?

Products which have been subjected to abuse, accident, alteration, modification, tampering, negligence, freight damage, misuse or if repaired or serviced by anyone other than a service facility authorized by United Metal Fabricators Inc. d.b.a. UMF Medical to render such service, or if the model or serial number has been altered, tampered with, defaced or removed. Except as it may otherwise specifically agree in writing, United Metal Fabricators Inc. d.b.a. UMF Medical shall not be liable for transportation, labor or other charges for adjustment, repairs, replacement parts, installation or other work which may be done with such products. United Metal Fabricators Inc. d.b.a. UMF Medical shall not be liable for changes in color caused by natural or artificial light, matching of color, grain or texture except to commercially acceptable standards.

3 TROUBLESHOOTING AND REPAIR

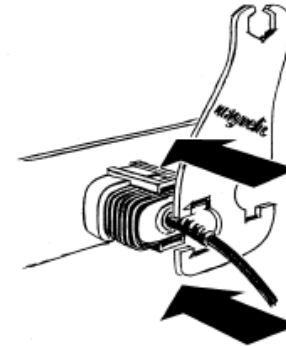
3.1 NONE OF THE FUNCTIONS ON THE TABLE ARE WORKING. WHAT SHOULD I DO?

- 3.1.1 **Check to ensure that the table is plugged into the wall outlet.**
- 3.1.2 **Check visible wires for damage.** Inspect all wires that are readily visible for signs of cuts, tears, or other damage that could cause a loss of communication between components.
- 3.1.3 **Check plugs.** Check all plugs and connections to ensure that all wires are properly connected.
- 3.1.4 **Check for power to Control Box.** The light on the front of the Control Box will illuminate in green if the unit has power.



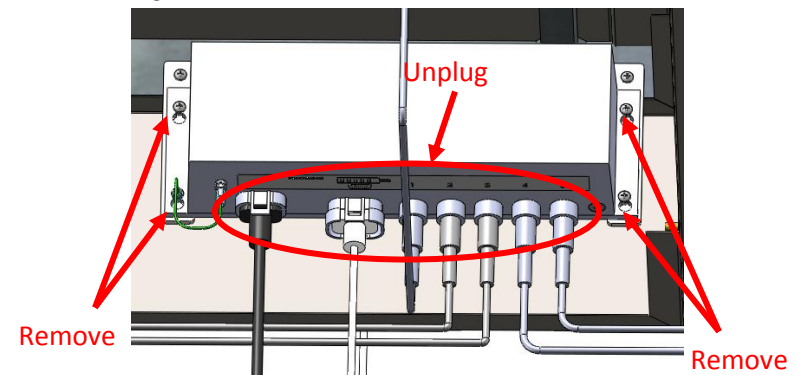
- 3.1.4.1 If the light is not on, check the facility's circuit breaker. If all plugs are correct and the circuit breakers are working properly, replace the control box (see section 3.1.7).
- 3.1.5 **Check the outside of the control box for excessive heat.** If overheated, unplug power cord and allow the unit to cool for approx. 30 minutes.

- 3.1.6 **Unplug power cord.** To allow the processor to reset, unplug the power cord and wait 10-15 seconds. To unplug the cord, use the accompanying plug tool (shown below). Then reinstall and try again.



3.1.7 **Replace Control Box.**

- 3.1.7.1 Disconnect power to table.
- 3.1.7.2 Label and unplug all cords connected to the Control Box.



- 3.1.7.3 Remove the four (4) screws on the installation bracket and remove the Control Box.

3.1.7.4 Install new Control Box by connecting the same four (4) screws to the table.

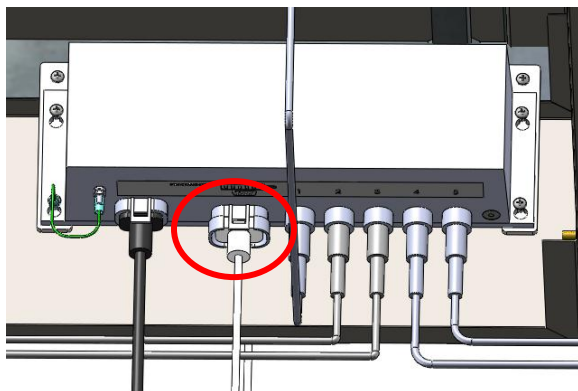
3.1.7.5 Install all plugs.

3.1.7.6 Connect power to table.

3.1.8 Replace Hand Control.

3.1.8.1 Disconnect power to table

3.1.8.2 Unplug Hand Control from Control Box and plug in new Hand Control.



3.1.9 Contact UMF Customer Service at (814)266-8726.

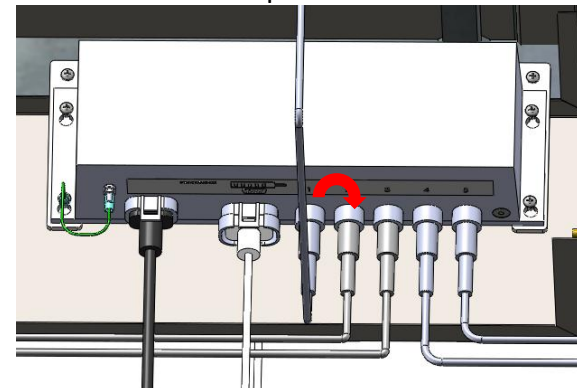
3.2 THE POWERED BACK SECTION IS NOT MOVING WHEN ACTIVATED. WHAT SHOULD I DO?

3.2.1 Check to make sure the table is moving up and down properly. If not, follow instructions in section 3.1.

3.2.2 Check visible wires for damage. Inspect all wires that are readily visible for signs of cuts, tears, or other damage that could cause a loss of communication between components.

3.2.3 Check plugs. Check all plugs and connections to ensure that all wires are properly connected.

3.2.4 Swap receptacles. Plug back section actuator into receptacle 2 on the Control Box and remove plugs from all other actuator receptacles.



3.2.4.1 If the actuator functions properly, replace the Control Box (see section 3.1.7).

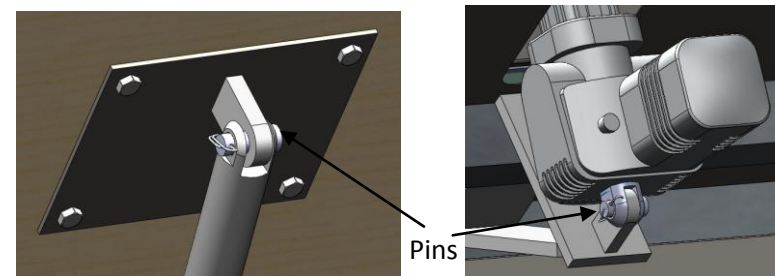
3.2.4.2 If the actuator does not function, replace the actuator (see section 3.2.4).

3.2.5 Replace back actuator.

3.2.5.1 Disconnect power to table.

3.2.5.2 Unplug actuator cord from Control Box and free the cord from the table.

3.2.5.3 Remove pins on end of actuator arm and body and remove actuator.



3.2.5.4 Install new actuator - install pins, route cord, and plug cord into Control Box.

3.2.6 Replace hand control. See section 3.1.8.

3.2.7 If this does not work, contact UMF Medical Customer Service at (814)266-8726.

3.3 THE TABLE IS NOT MOVING UP AND DOWN. WHAT SHOULD I DO?

3.3.1 Check to make sure the powered back section is working properly. If not, follow instructions in section 3.1.

3.3.2 Check visible wires for damage. Inspect all wires that are readily visible for signs of cuts, tears, or other damage that could cause a loss of communication between components.

3.3.3 Check plugs. Check all plugs and connections to ensure that all wires are properly connected.

3.3.4 Check for control box activation. When the hand control is pressed, the control box should make a light clicking noise. If the noise is not heard when activating the up-down button, replace the hand control (see section 3.1.8)

3.3.5 Replace Control Box. See section 3.1.7

3.3.6 If this does not work, contact UMF Medical Customer Service at (814)266-8726.

3.4 ONE OR MORE OF THE ACTUATORS MAKES A GRINDING OR OTHERWISE LOUD NOISE WHEN ACTIVATED. WHAT SHOULD I DO?

3.4.1 Check for foreign obstacles. Make sure that there are no foreign obstacles in the path of the actuator that could cause resistance to motion.

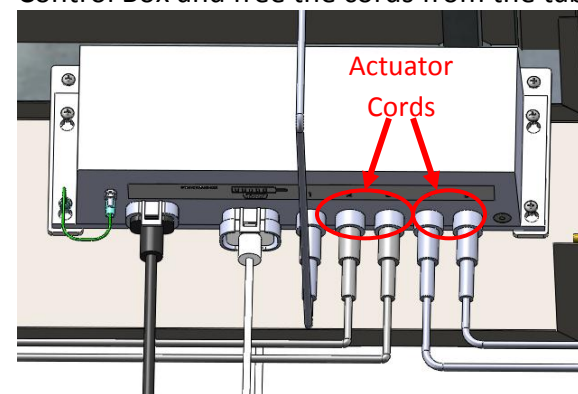
3.4.2 Replace the appropriate actuator.

3.4.2.1 Replace the back actuator. See section 3.2.5.

3.4.2.2 Replace a base actuator.

3.4.2.2.1 Disconnect power to the table.

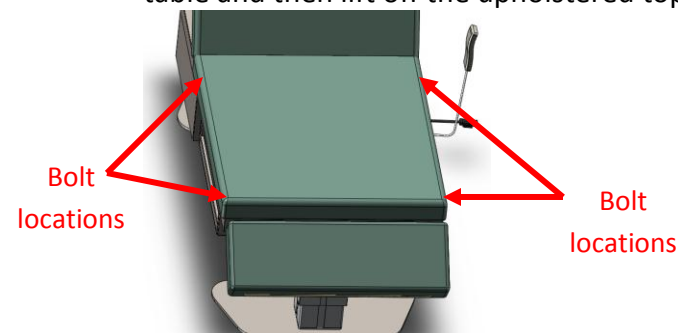
3.4.2.2.2 Unplug appropriate actuator cords from the Control Box and free the cords from the table.



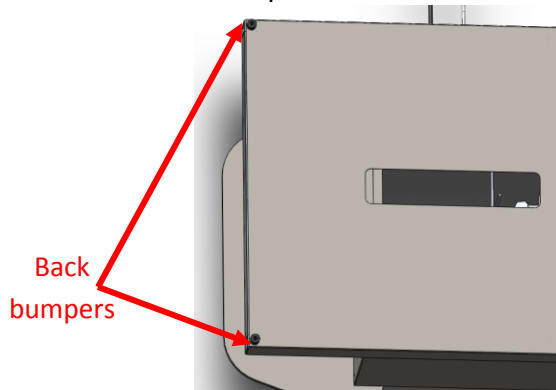
3.4.2.2.3 Remove the back actuator. See section 3.2.5

3.4.2.2.4 Remove the side drawer.

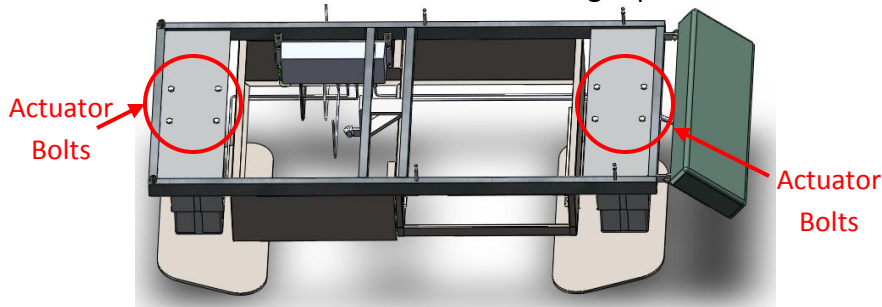
3.4.2.2.5 Remove the four bolts on the underside of the table and then lift off the upholstered top.



- 3.4.2.2.6** Unscrew the bolts in the back bumpers and remove the bumpers.

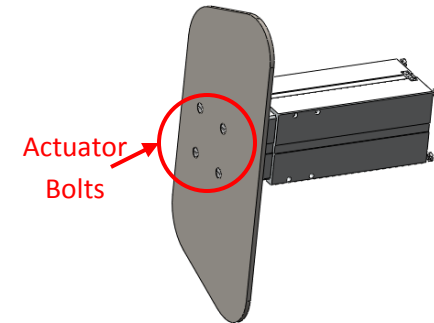


- 3.4.2.2.7** Lift the top cover off of the table to reveal the base actuator attachment bolts.
- 3.4.2.2.8** Brace the table by placing a block under the frame close to the actuator being replaced.



- 3.4.2.2.9** Unscrew the bolts on the top of the actuator and remove the bolts. Then slide the actuator out from underneath the table and allow the table to rest on the block.
- WARNING:** The table is very heavy and must be braced properly before removing the actuator to ensure that the table does not fall.

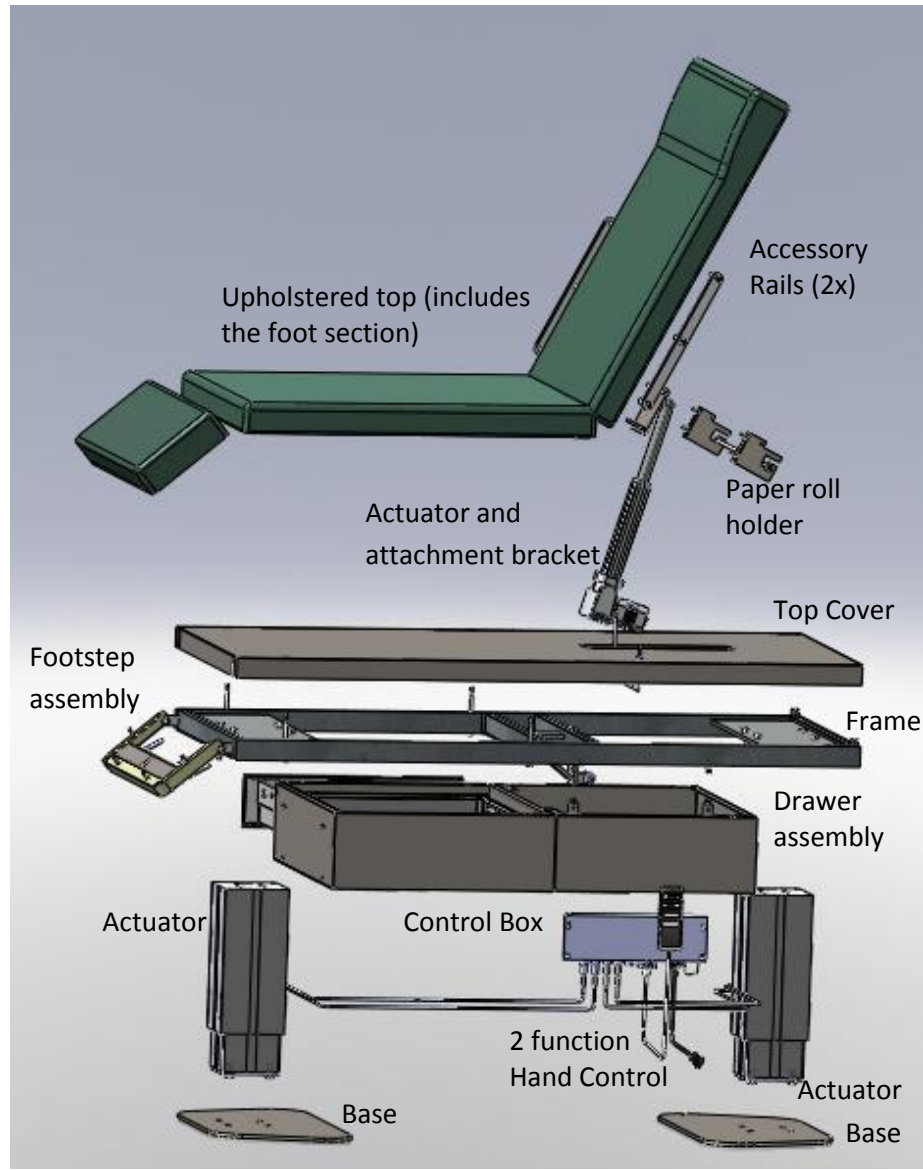
- 3.4.2.2.10** Lay the actuator and base assembly on the side and remove the bolts from the base to completely detach the actuator.



- 3.4.2.2.11** Install the new actuator onto the base by reinstalling the four bolts on the bottom of the actuator.
- CAUTION:** Ensure that the new actuator is oriented properly before installing.
- 3.4.2.2.12** Lift the actuator and base assembly up and slide it back underneath the table. Install the four bolts through the table into the top of the actuator.
- 3.4.2.2.13** Replace the top cover and re-attach the bumpers.
- 3.4.2.2.14** Replace the upholstered top and install the four bolts to secure the upholstered top.
- 3.4.2.2.15** Re-install the back actuator. See section 3.2.5
- 3.4.2.2.16** Route the wires from the base actuator back to the Control Box and secure in place.

3.4.3 If this does not work, Contact UMF Medical Customer Service at (814)266-8726.

4 REPLACEMENT PARTS LIST AND EXPLODED VIEW



Repair Parts

#1-2651 Upholstered top (includes the foot section)
#470 Leveling glides (set of 4)
#807 Paper roll holder
#808 Paper roll rod only
#039 Accessory rails (standard on back section)
NPN Actuators
NPN Control box
#063 2-function Hand Control
#069 2-function Foot Control

Accessories

#035 Arm board assembly (contains 1 each #036, #038, and #039)
#036 Sliding bracket and lug (reversible) required for the #038
#038 Arm board only, used with the #036
#039 Accessory rail (factory installed only)
#375 Safety rails (pair) requires 2 each #039 accessory rails.
#800 Paper cutter band
#801 T- cable
#810 Restraint straps (set of 2) requires #039 accessory rails.

5 REPLACEMENT PART ORDERING INFORMATION

To order replacement parts, please obtain the serial number of the table and contact your authorized UMF Medical distributor. If you are unsure of your authorized distributor, please contact UMF Medical customer service at:

UMF Medical

1316 Eisenhower Boulevard

Johnstown, PA 15904

Phone: 1-814-266-8726

Fax: 1-814-266-1870

E-mail: customerservice@umfmedical.com

6 EQUIPMENT CARE

	<u>Frequency</u>	<u>Additional Details</u>
<u>UPHOLSTERY</u>	Daily	Mild soap and water should be used for cleaning of upholstery. The upholstery material used on the top and leg rest is resistant to most medical stains. Care should be used where solvents or dyes are used. UMF Medical recommends the use of Murphy's oil soap or Ivory liquid. If dirt or stains still remain, use rubbing alcohol.
	CAUTION:	To avoid potential damage to upholstery, immediately remove any fluid spilled on upholstery surface.
	CAUTION:	When the use of rubbing alcohol is necessary, first test in an inconspicuous area to ensure that damage to upholstery will not occur.
<u>PAINTED SURFACES</u>	Weekly	Wipe down with a cloth using warm water or a mild soap solution. A chemical acid resistant paint is used, but extreme care must be taken not to use ammonia based cleaners or discoloration of paint may occur. UMF Medical recommends the use of Murphy's oil soap or Ivory liquid.
<u>BRIGHT METAL SURFACES</u>	Weekly	All non-painted surfaces, chrome plated or stainless steel, should be wiped with a clean damp cloth then buffed to a lustrous shine with a soft dry cloth.