ACART

MTS-367236-EAH

MTS-364836-EAH

Adjustable Height Tables

(Motorized)

⚠ CAUTION	Read and understand all of the instructions and safety information in this manual before operating this product.

Table of Contents

DESCRIPTION OF PRODUCT

This manual covers motorized adjustable height table models:

MTS-364836-EAH

MTS-367236-EAH

PURPOSE OF THIS MANUAL

This manual covers the operation and maintenance of the motorized adjustment height tables.

KEEP THIS MANUAL

General Specifications

Material:

300 Series Stainless Steel 16 Gauge

Table Dimensions:

MTS-367236-EAH is 36" D X 72" W X 36" H

MTS-364836-EAH is 36" D X 48" W X 36" H

Power Requirements:

120 Volt, 60 Hz, single phase, 15 amp GFCI protected electrical outlet, installed per local building codes, and provides protective grounding.

UL Approved:

All individual electronic components are UL approved and/or recognized.

Table Extension Maximum/Minimum Heights

[914.4mm]
36"

MTS-364836-EAH - lowest extension

[1092.2mm]
43"

MTS-364836-EAH - highest extension

[914.4mm]
36"

MTS-3647236-EAH - lowest extension

[1092.2mm]
43"

MTS-367236-EAH - highest extension

Fig. 1: Table maximum/minimum heights

Table Installation

Adjustable height tables require a power source to operate the hydraulics system.

1. Place the table so that its left side(where its power unit is located) is near a 120 VAC GFI power outlet.
2. Plug in the table cord.
3. On the initial start-up, set the maximum and minimum heights on the control pad as shown on page 5 and 6.
4. After the initial start-up and control pad setting, thereafter simply use the up or down arrow buttons on the control pad to raise or lower the height of the table.

Adjustable Height Tables - Control Panel Technical Data

The Control Panel feature is available for Adjustable Height Tables to operate its hydraulics.

Features	Electrical Specifications
4 Memory Positions	Primary Voltage 120V, 10A
Digital Display of the height	Engine Voltage 24 VDC
Overload Protection	Nominal Rating Approximately 340 VA
Thermal Protection	Standby Power <0.6W
	Nominal Speed 180 min-1
	Protection Type IP 20

Power Supply

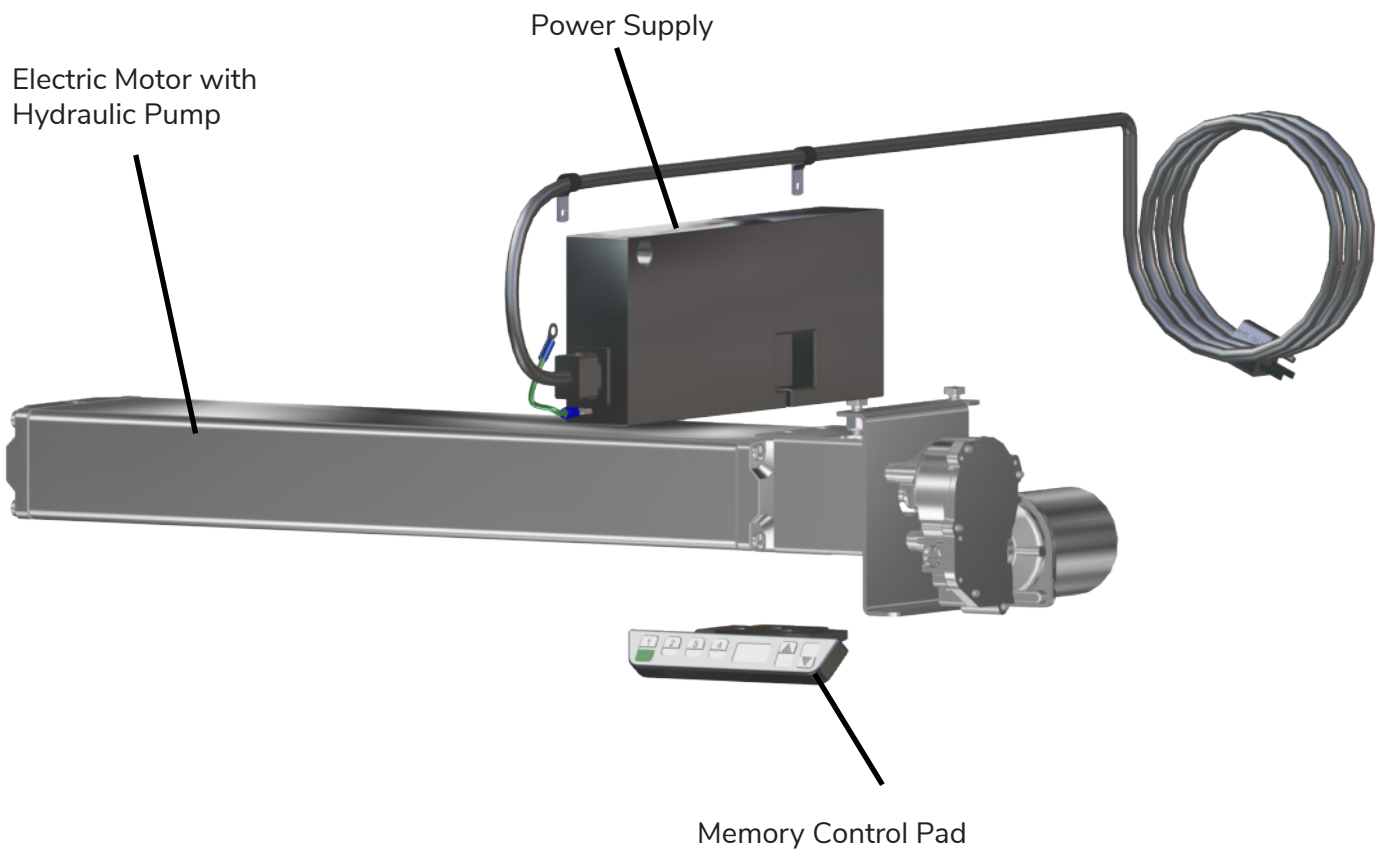Electric Motor with
Hydraulic Pump

Memory Control Pad

Fig. 2: Memory Control Pad, Power Unit, Electric Motor & Hydraulic Pump

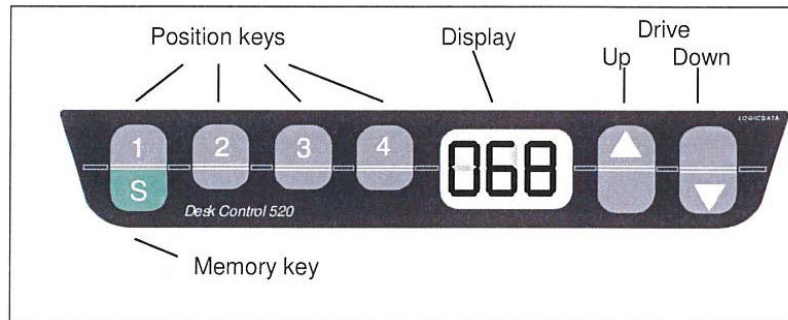## Adjustable Height Tables - Control Panel Setup and Operation

Fig. 3: Memory Control keypad

At the first power-on, follow these steps:

1. **First start up**

   a. The display will initially flash "068".

   b. Press the "Down" arrow button (see illustration above) until the lower 91 cm (36") end position is reached.

   c. The table moves down with half speed. Moving up is not possible.

   d. Adjust the read out (in Centimeters) to reflect the actual height with the "1" button (plus) and the "2" button (minus).

   e. Moving up or down is not possible.

   f. Press the "S" (green button) to confirm.

   g. After the confirmation the display will flash "091".

   h. Use the "Up" arrow button to move to the upper 109 cm (43") limit.

   i. The table will move at half speed and half power.

   j. Adjust the read out to reflect the upper position with the "1" button (plus) and the "2" button (minus).

   k. Confirm with the "S" button.

   l. After the confirmation the height is shown and the Control Box is ready for normal operation.

2. **Operation up / down**

   a. Press the "Down" arrow button or the "Up" arrow button until the desired height of the table has been reached.

   b. The display always shows the actual height in Centimeters (i.e. "078" = 78 centimeters).

   c. The table moves as long as the key is pressed, or until the end position is reached.

3. **Saving of a position**

   a. This function allows the user to save a particular operating height on one of the four preset buttons.

   b. Press the "S" button (Display: "5 –").

   c. Press one of the following buttons: "1", "2", "3", or "4".

   d. After having pressed one of the position buttons listed above, an "S" and one of the position buttons is read on the display (i.e. "S3").

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Adjustable Height Table - Control Panel Setup and Operation (continued)

    e. At the end of the memory procedure, a double "Click" is heard and after 2 seconds the actual height is read on the display (i.e. "073").

    f. If there is a power failure or the unit is unplugged, the programmed pre-sets are retained (up to 24 hours).

4. **Reset of the Control Unit**

    a. Press and hold "1", "2", and the "Up" arrow at the same time until it flashes "S5". The control is now in the adjustment mode.

        • Release "1", "2", and the "Up" arrow. Press the Up arrow until the display shows "S7". Then press "S" to set.

    b. Then press the down arrow. The table will now move down. Checking with a tape measure, lower the table down to 36".

    c. Then hold "2" until it reads "000".

        • Then press "S" to set. It will then display "036".

    d. Hold the Up arrow to 43'' (check the height with the tape measure).

        • Then press "1" until it reads "109". Then press "S" to set.

5. **Setting of Indicated Height**

    a. Press the "S" button. Display will read "5 –".

    b. If the key is not pressed within 5 seconds, the control returns to standard mode again.

    c. Press the "Down" arrow button now for about 5 seconds until the display starts flashing. (Example: display flashes: "073").

    d. The height can also be set with the "Up" (plus) or with the "Down" (minus) arrow buttons. During this procedure the table does not move.

    e. If the position is correctly set, the new height can be saved by pressing the "S" button.

        • The position is saved and the display stops flashing.

        • The new height is also saved. If no button is pressed within 5 seconds, the display stops flashing automatically.
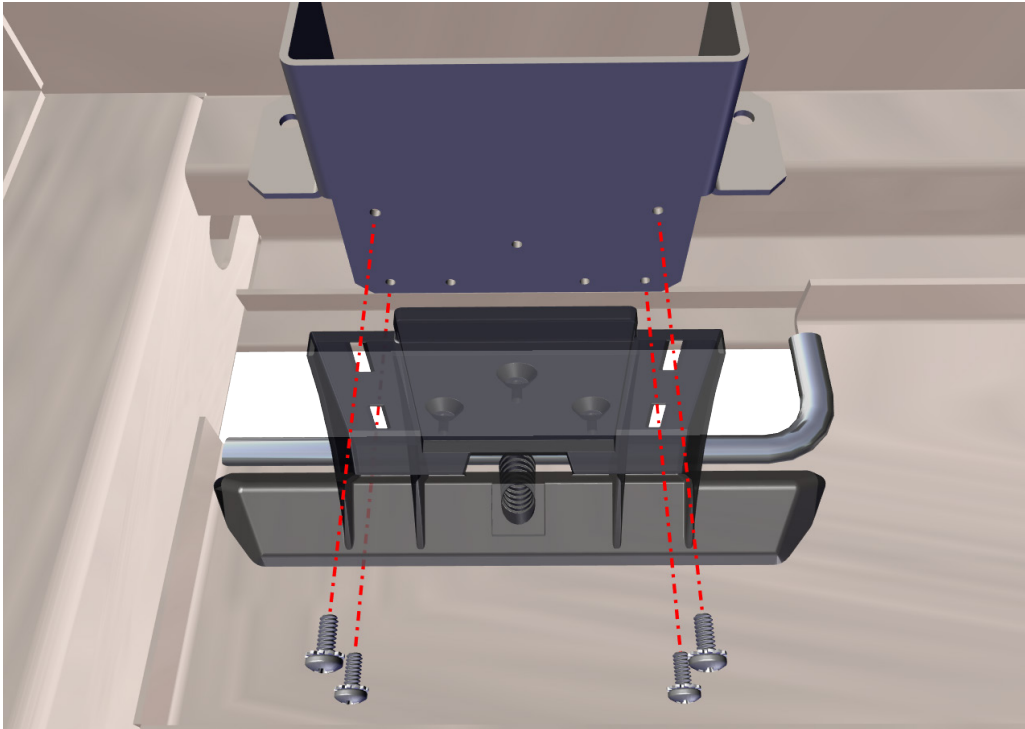
Replacing the Memory Control Pad

Fig. 4: Remove old Memory Control Pad

Removing the Existing Memory Control Pad

If the Memory Control Pad must be replaced (due to damage), first remove the existing Memory Control Pad.

1. ⚠️ **UNPLUG THE TABLE FROM ITS POWER SOURCE.**
2. Remove four 1/4" screws attaching the Controller to the table mounting plate (Fig. 4).
3. Unplug the old Memory Control Pad cord from the Power Supply Unit.
4. Remove the old Memory Control Pad.

Installing the Replacement Memory Control Pad

1. Position the replacement Memory Control Pad on the mounting plate under the front edge of the table. Align the four holes in the control panel with holes in table mounting plate.

2. Insert four 1/4" screws into the holes of the Memory Control Pad, attaching the Memory Control Pad to the table mounting plate. (Fig. 5)
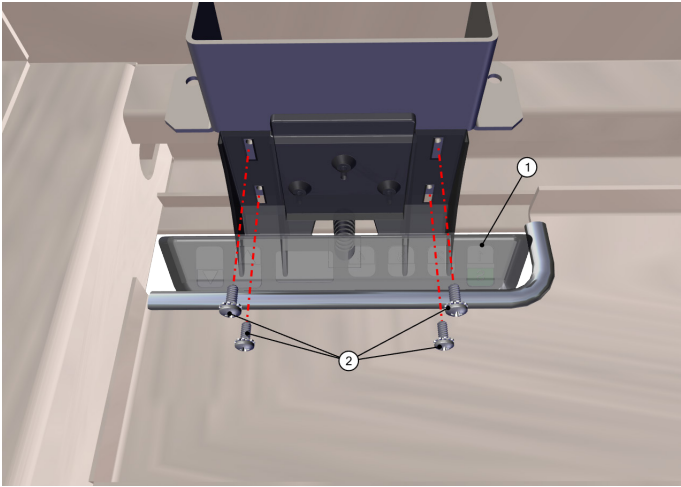

Item #	Part #	Description	QTY
1	H0090-PBD-110	Memory Control Pad 1 with power cord	1
2	H0203	4-40 X 1/4" Screw With Internal Tooth-Lock Washer	4

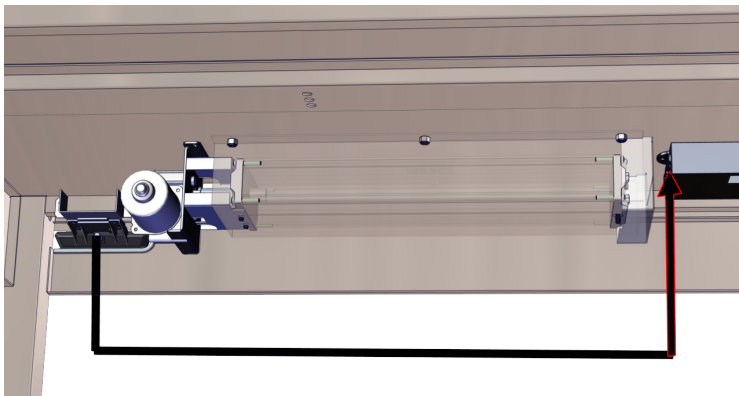Fig. 5: Attach new Memory Control Pad

Fig. 6: Plug in Memory Control Pad cord to Power unit

3. Plug the control pad cable into the round receptacle of the table Power Supply Unit (Fig. 6).

4. Plug the table cord back into its power source.

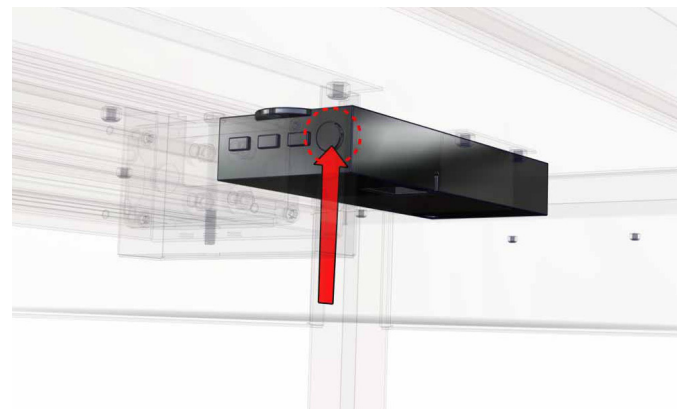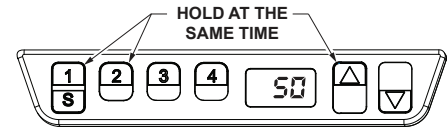5. Program the Replacement Memory Control Pad as shown on page 9.

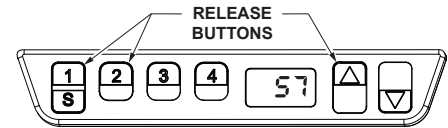Fig. 7: Power Unit receptacle (viewed from back of table)

Programming the Replacement Memory Control Pad

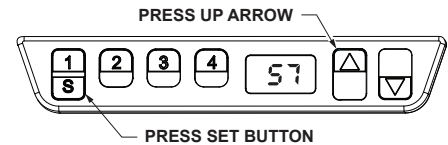After the new Memory Control Pad has been installed, it must be programmed.

1. Press and hold Buttons "1", "2", and the "UP" Arrow at the same time. The Memory Control Pad is now in the adjustment mode.
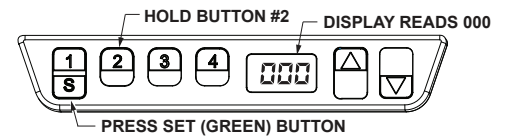
HOLD AT THE
SAME TIME

2. Release Buttons "1", "2", and the "UP" arrow. Press the "UP" arrow until the display reads "S7".

RELEASE
BUTTONS

3. Next, press the "S" button.

PRESS UP ARROW
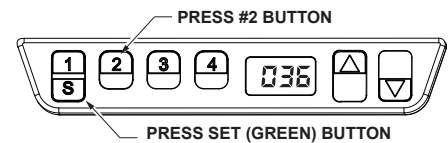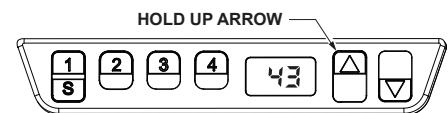
PRESS SET BUTTON

4. Press the "DOWN" Arrow. The table will now move down. Verify height of table is 36" with a tape measure.

HOLD BUTTON #2   DISPLAY READS 000

PRESS SET (GREEN) BUTTON

5. Press and hold "2" button until "000" is displayed. Press GREEN (SET) Button. Display will now read "036".

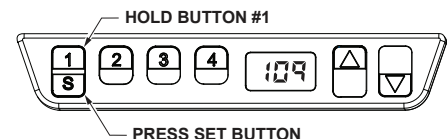PRESS #2 BUTTON

PRESS SET (GREEN) BUTTON

6. Press and hold "UP"Arrow until the table raises to 43". Verify height of table is 43" with a tape measure.

HOLD UP ARROW

7. Press and hold "1" button until the display reads "109". Next, press the "S" button.

8. The Memory Control Pad is now ready for use.

HOLD BUTTON #1

PRESS SET BUTTON

Instructions for Cleaning Stainless Steel Tables

Stainless Steel Tables must be cleaned on a regular basis to prevent any unnecessary damage to the stainless steel surfaces.

When cleaning stainless steel tables, make sure to use the proper approved cleaning agents and cleaning materials.

⚠️ CAUTION **DO NOT USE** these Cleaning Materials	⚠️ CAUTION **DO NOT USE** these Cleaning Agents
Abrasive Pads	Hard Water (water with a pH reading above 7.0)
Scrapers	Hydrochloric Acid
Steel Wool	Steam or high pressure water
Wire Brushes	Bleach or any compounds containing chlorine or Sodium hypochlorate, or ammonium chloride salts

Approved cleaning materials and agents
- Soft, clean lint-free cloth
- Non-abrasive cleaning pads
- Soft bristle brush
- Mild detergents
- Sodium Bicarbonate (baking soda)
- Distilled water (pH rating 7) alone or with a mild detergent
- White vinegar (in a spray bottle)
- Isopropyl Alcohol
- Hospital-grade non-bleach disinfectants
- Cleaners approved for use on stainless steel

Cleaning Stainless Steel Surfaces

1. Using a damp, lint-free cloth and approved cleaner, wipe down the entire exterior surface of the stainless steel table. Using a damp, lint-free cloth with distilled water and a mild detergent, wipe down the entire exterior surface of the stainless steel table.

2. Let the cleaned table air dry.

Cleaning Decals or Printed Labels

- Use only distilled water and a mild detergent applied with a clean, dry lint-free cloth to clean decals or printed labels.

- Cleaning agents can remove or smear any printing from decals and print labels.

- Cleaning agents can damage plastic materials used in manufacturing covers for electronic items such as touch-screen pads.

Notes

Limited Lifetime Warranty

MAC Medical warrants to the original purchaser that its Proprietary Products will be free from defects in workmanship or materials under normal use and service for the life of the product, so long as owned by the original purchaser, according to the limitations set forth below.

Defective products shall be repaired or replaced at MAC Medical's option at no cost to the original purchaser provided:

1. The customer must obtain a written return authorization supplied by MAC Medical's customer service department. The product must be returned, properly packaged, with a copy of the original sales receipt and copy of the RMA authorization.
   Please call (877) 828-9975 or (618) 476-3550 to receive a return authorization.
2. The customer must pre-pay freight charges to and from MAC Medical and must ship merchandise properly packaged, in a way the product will not be damaged during transit to the factory. MAC Medical does not warranty any freight damage to or from the factory. It is the customer's responsibility to inspect the product for packaging damage before signing the BOL.

This warranty does not apply to products, which have been subject to abuse, misuse, accident, modification, alteration, tampering, negligence, lack of routine maintenance or misapplication; or products that have been repaired by other than MAC Medical or its authorized representatives.

This warranty does not apply to glass, fabrics, vinyl, seat coverings, cushions, padding or their stitching, gluing or installation. Component parts not manufactured by MAC Medical, such as casters, caster inserts, any components made from rubber or plastic, circuit boards, fan heaters, plumbing parts, electrical switches and other components are also excluded. For these component parts, MAC Medical will pass on the original manufacturer's warranty to MAC Medical equipment original purchasers. Please consult factory for questions regarding the warranties of these component parts. This warranty does not apply to custom fabricated products. Consult factory.

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