

Decompression* Tables

User Manual

MD
REF

Applies to the following Models:

E9011/E9011-e E9014/E9014-e
E9015/E9015-e E9022/E9022-e



Important! This User Manual contains important information for the user of the product. All who use this product should review and completely understand its contents. Remember to keep this manual in a place where it is always available to those using the product.

*Decompression is unloading due to distraction and positioning and/or as non-surgical in nature.

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Introduction:

The DOC Decompression Table takes your chiropractic practice to the next level with its unique design and impressive list of standard features. The state-of-the-art digital command center controls specific vertebral targeting, including axial rotation and lateral flexion; correctly positions patients in antalgic posture; offers separate lumbar and cervical decompression* programming; and delivers continuous readout and graphing of treatment protocols. The digital command center also controls table elevation and rear flexion, all at the push of a button. Patients may be treated in supine or prone positions and from various angles.

*Decompression as used in this manual is defined as unloading due to distraction and positioning and/or as non-surgical in nature.

Indications/Contraindications/Performance:

Indications for Use/Intended Use: The Decompression of Choice (DOC) is a non-invasive method of applying distractive forces to the spine through controlled tensions. It is designed to apply decompression* forces to intervertebral discs. The Decompression of Choice (DOC) may be used for back pain, neck pain, herniated discs, protruding discs, degenerative disc disease, sciatica and posterior facet syndromes.

Contraindications:

- Acute or traumatic injury
- Rheumatoid arthritis
- Malignancy
- Advanced Osteoporosis
- Tumors
- Spinal instability
- Spinal cord compression
- Vascular compromise
- Disease of unknown etiology
- Abdominal Aortic Aneurism
- Fractures
- Infections and inflammatory diseases
- Cardiac or respiratory insufficiency
- Metal implants/screws/plates in spine
- Certain conditions (diseases) that compromise the structural integrity of the spine and discs

Relative Contraindications (require special monitoring or should be avoided):

- Hiatal hernia
- Later stages of pregnancy
- Claustrophobia

Side Effects: None

Intended Environment: This device is intended for user in a professional healthcare setting.

Performance: This device applies cervical and/or lumbar decompression* with practitioner definable target treatment location, treatment pounds, and patterns of treatment.

User Expectation During Loss of Performance: Should there be a loss of performance the unit will not initiate a treatment. Should the loss of performance occur during treatment, the table will return to zero tension and table movement will stop.



CAUTION:

Federal law restricts this device to sale for use by or on the order of a Physician or with the descriptive designation of any other practitioners licensed by the law of the State in which that person practices to use or order the use of the device.

*Decompression is unloading due to distraction and positioning and/or as non-surgical in nature.

Safety Precautions & Definitions:

Warning and Precautions through this manual are indicated by specific symbols. Applicable symbols are shown below along with a description of the symbol. Review these symbols and all safety precautions before operating the table.

	CAUTION: Text with a “CAUTION” indicator will explain possible safety infractions that could have the potential to cause injury.
	WARNING: Text with “WARNING” indicator will explain possible safety infractions that will potentially cause serious injury and equipment damage.
	Pinch Point: Indicates space between manually adjustable moving and stationary parts where body parts may become caught, leading to minor injury.
	Warning: High Voltage
	Crush Hazard: Indicates space between powered moving and stationary parts that represent a potential crush hazard.
	Instructions for Use: Indicates the need for the user to consult the instructions for use.
	EXPLOSION HAZARD Text with “EXPLOSION HAZARD” indicator will explain possible safety infractions if this equipment is used in the presence of flammable anesthetics.
	Contains electronic materials. Recycle and dispose of device properly in accordance with local, state and federal laws.
	Indicates the device manufacturer.
	Type B Applied Part
	Store and transport between -40 °C and 70 °C.
	Transport and store between 10-100% relative humidity.



WARNING: Never leave patient on table unattended. Lower table to its lowest position before assisting patients on or off the table.



CRUSH HAZARD: Powered components used to elevate and lower this table present a potential crush hazard. KEEP CHILDREN AWAY FROM TREATMENT AREA. Allow only the patient and authorized staff in treatment area.



ELECTRICAL CONNECTION: For your personal safety, this table must be grounded. This table is equipped with a power supply cord having a three (3) prong grounding plug. To minimize possible shock hazard, it must be plugged into a mating three (3) prong grounding type wall receptacles, grounded in accordance with the National Electrical Code and local coded and ordinances. If a mating wall receptacle is not available, it is the responsibility and obligation of the customer to have a properly grounded three (3) prong wall receptacle installed by a qualified electrician. Power requirements of the table are found in the Technical Data Section.



WARNING: Do not permit foreign materials or liquids to enter the unit. Take care to prevent any foreign materials including, but not limited to, inflammables, water, metallic objects from entering the unit. These may cause the unit damage, malfunction, electrical shock, fire, or personal injury.



WARNING: Do not use a damaged Mains Power Cord. Using a damaged cord may cause the unit damage, malfunction, electrical shock, fire, or personal injury. If cord becomes damaged, discontinue use immediately and contact Pivotal Health Solutions for a replacement.



DANGER: Possible explosion hazard if used in the presence of flammable anesthetics.

Note to user: If a serious incident occurs, report the incident to Pivotal Health solutions. (See section with Manufacturer Contact Information for contact details). If the incident occurs in the EU, also report any serious incident to the Competent Authority of the Member State in which the user and/or patient is established.

Before using this equipment follow the following safety precautions:

- Before using this equipment make sure you have read and understand this entire manual.
- Observe any and all precautionary and operational decals on the unit.
- A doctor or clinician authorized by the state must ensure that the patient's health and physical condition are appropriate for any chiropractic treatment being applied when the patient is on the table and treatment must be performed under the direction of a licensed clinician.

- Never exceed the table's maximum supported weight. Load limit of pelvic cushion is 150 lbs. Table's maximum safe working load is 350 lbs. Do not sit on pelvic or head cushion.
- Connect table only to an outlet that is grounded and connected to a circuit with a fused circuit breaker in accordance with the National Electrical Code and local codes and ordinances.
- Keep table out of high moisture areas.
- NOT intended for use with accessories other than those indicated in this manual.
- Use of controls or adjustments or performance procedures other than those specified herein may result in a hazardous traction related injury.
- Do not operate the table in an environment where other devices that intentionally radiate electromagnetic energy in an unshielded manner are present. Reorient, relocate, or increase separation between equipment or connect equipment to an outlet on a different circuit from which the interfering device(s) are connected.
- Always explain to the patient how to properly get on and off the table. Monitor patient during treatment. Be sure to assist patient to prevent falls.
- Keep patient's hands and feet positioned on the top side of cushions at all times.
- Keep hands and feet away from moving parts and pinch points.
- Ensure controls have locked properly prior to positioning or releasing patient.
- Never leave patient unattended on table. Always stabilize patient with one hand with changing table position. Use two hands on table when making any adjustments to table sections.
- Follow preventative maintenance instructions provided in this manual.
- Ensure all components have been inspected for damage and are fully functional.
- Inspect cables and connectors before each use.
- If you need assistance contact Pivotal Health Solutions at 1-800-743-7738.

EMERGENCY STOP PROCEDURES AND BELT RELEASE PROCEDURES

To ensure patient safety, several features have been incorporated into the table. Inform patients of the emergency procedures before beginning treatment.

1. Patient Stop Switch:

The Patient Stop Switch is an important safety feature. Pressing the Patient Stop Switch stops all motion of the table and gradually reduces the force to 5 lbs. Ensure the patient has access to the stop switch any time the table moves automatically. Instruct the patient to press the Stop Switch anytime the symptoms increase or when they want to discontinue treatment. If stop switch is not connected or damaged, the unit will not work.

2. On Screen Stop Switch:

The on screen stop switch is an important safety feature. Pressing the on-screen button stops all motion of the table and gradually reduces the force to 5 lbs.

3. ON OFF Switch:

Turning the ON OFF Switch to the off position will stop all motion on the table.

4. Belt Release:

The belting is attached using Velcro and a seat-belt type buckle. If patient has lost control of stop switch, belts could be removed by themselves.



WARNING: Under no circumstances should the table be modified from its original design. Contact Pivotal Health Solutions if you need help with service.

Installation & Unpacking:

Unpacking:

A MINIMUM OF TWO PEOPLE ARE REQUIRED TO LIFT AND MOVE THE TABLE. LIFT THE TABLE BY THE BASE FRAME!



WARNING: Do not install/use this equipment adjacent to, or stacked with, other equipment as it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify they are operating normally.

After removing the top and side panels of the shipping crate, you may notice metal bands and plastic cable ties. These are used to secure various sections of the table and must be removed. Once all bands and cable ties are removed, the table must be lifted upward in order to clear all shipping restraints. Do not push or pull on the cushions, damage to load cell may result and will not be covered under warranty.



CAUTION: Position the device so controls are easily accessible

Once the table is out of the shipping crate, place table in a level location and inspect the table cushions, frame, cables, etc. for damage. If no damage is noted, plug in the table and test the table as described below. Contact Pivotal Health Solutions or your dealer with any questions or concerns.

Instructions for Damaged Merchandise: The contents of this shipment have been checked and packed by experienced personnel. If your company arranged the shipping, damage should be noted on the Bill of Lading before signing to accept the shipment, then articles damaged in transit should be reported at once to delivering carrier and a claim must be filed by you. If freight was arranged by Pivotal Health Solutions, note any damage on the Bill of Lading before signing acceptance of product and notify Pivotal Health Solutions right away. Failure to inspect for shipping damage prior to signing for the product may affect your warranty. We can neither be responsible for, nor can we accept the return of merchandise damaged in transit during shipment arranged by outside parties.



WARNING: This table uses, and can radiate, radio frequency energy and if not installed and used in accordance with these instructions may cause harmful interference to other devices in the vicinity. However, there is no guarantee that interference will not occur in a particular installation. Portable and mobile RF communications equipment (including peripherals such as antenna cables and external antennas) can affect the table's operation and should be used no closer than 30 cm (12 inches) to any part of the table. Otherwise, degradation of the performance of this equipment could result. Harmful interference can be identified by turning the table off and on, reorienting or relocating as needed to eliminate interference.

Installation:



WARNING: When moving the table, do not push or pull on the cushions, do not lay table on its side or stand the table on end. If the table needs to be moved, use the Lateral and Axial handle bars on the lumbar end of the table and the handles on the cervical end of the table. If the load cells attached to the cervical or lumbar sections of the table see a force greater than 250 lbs they will be damaged. Mishandled load cells will not be covered under warranty.

1. Place table on a flat level surface.
2. FOR TOWER MODELS (E9015, E9022, E9015-e, E9022-e):
 - a. Position the tower in a location so it is easy to disconnect the power.
 - b. Place tower on a flat level surface, in a straight line from the head of table, approximately 28-29 inches away from the base of the table.
 - c. Table and tower electrical plugs should be connected, the round connectors will only plug into the correct mating connector. Plug the connector in then lock arms.



- d. Carefully place the walkway cover over the wires.



- e. Plug the power cord into the back of the tower.
 - f. Plug the cord into a 115 Volt 60 Hertz 5 Amp or 230 Volt 50 Hertz 5 Amp Max outlet (see serial decal for rating). **WARNING** to avoid the risk of electric shock, this equipment must only be connected to a supply main with protective earth.
 - g. Go to Step 4.
3. FOR SWING ARM MODELS (E9011, E9014, E9011-e, E9014-e):
 - a. Plug the power cord into a 115 Volt 60 Hertz 5 Amp or 230 Volt 50 Hertz 5 Amp Max outlet (see serial decal for rating). **WARNING** to avoid the risk of electric shock, this equipment must only be connected to a supply main with protective earth.
4. Turn the key switch to the ON position.
 - a. Table will boot software and begin a reset, bringing the motors back to their home positions.
5. Check table functionality.
 - a. Press Manual Distraction button.

- b. Make sure table is set to a flat position. The flexion angles are displayed on the bottom of the manual distraction screen. Make sure the cervical flexion angle, lumbar axial angle, and lumbar flexion angle read 0 +/- 2. Adjust to 0 +/- 2 as needed.
- c. Test cervical motor function.
 - i. Remove Thoracic belt post from table. Make sure lock handle for post is pointed down.
 - ii. Press and hold the Extend button under cervical until it stops. Cervical motor should extend out approximately 5 inches. Cervical pounds should stay under 10 lbs through entire stroke of motor.
 - iii. Test load cells by gently pressing horizontally on cushions toward center of table. Cervical pounds should read a corresponding force based on pushing force.
 - iv. Press and hold the Retract button under cervical. Cervical motor should retract in.
- d. Test lumbar motor function.
 - i. Press and hold the Extend button under lumbar until it stops. Lumbar motor should extend out approximately 8 inches. Lumbar pounds should stay under 10 lbs through entire stroke of motor.
 - ii. Test load cell by gently pressing horizontally on cushions toward center of table. Lumbar pounds should read a corresponding force based on pushing force.
 - iii. Press and hold Retract button under lumbar. Lumbar motor should retract in.
- e. Test elevation and flexion.
 - i. From the main menu, press the Elevation and Targeting button.
 - ii. **NOTE:** Pressing the Stop button on screen or the patient stop switch will stop any of the automated movements. A Flexion angle with a negative value indicates the end of the table is pointed skyward, and positive angle indicates the end of the table is pointed towards the floor.
 - iii. Press the table max height button. The table will fully raise to the fully elevated position. The table must be raised before the cervical or pelvic sections can be tilted downwards. The cervical and pelvic sections must not be tilted downwards when lowering the table or damage may result..
 - iv. Press the L1-L2 button then the Begin Targeting Setup button. The table will tilt upwards to approximately -12.5 degrees.
 - v. Press and hold the Lumbar Flexion Down button to tilt the pelvic down until flat.
 - vi. Test the cervical flexion by pressing the Mech-Lock control lever. Pressing the thumb control down unlocks the mechanism and allows the cervical head frame to flex. The cervical flexion angle displayed on the screen should change corresponding with the angle of the cervical section.
 - vii. Test the pelvic section axial rotation and lateral rotation using control levers at the foot of the table. Axial rotation should change the lumbar axial angle displayed on the screen corresponding with the angle of the pelvic section.
 - viii. Return the table to flat.
 - ix. Press and hold the Lower Table button to bring it back down to the lowest level.
- f. If any of the tests fail or there are any questions, please contact customer service.

Technical Specifications:

Model Number	E9011/E9022 E9011-e/E9022-e	E9014/E9015 E9014-e/E9015-e
Rated Voltage	120 V	240 V
Rated Frequency	60 Hz	50 Hz
Rated Current	5 Amps	
Fuse Type	5 Amps AGC	
Lifting Capacity	350 lbs (158 kg)	
Load Limit of Pelvic Cushion	150 lbs (68 kg)	
Duty Cycle	1 Minutes On, 19 Minutes Off	
Electrical Classification	Class I	
Electrical Type	 Type B	
IP Rating	IPx0	
Elevation range	21-29"	
Table width	30" max (cushions- 17" cervical, 24" thoracic, 27" lumbar)	
Table length	77" retracted, 86" extended (92" with swing arm extended)	
Tower dimensions (E9015/22)	27.5" W x 25" D x 72" H	
Equipment is not suitable for use in the presence of flammable mixtures.		



WARNING: Keep table out of high moisture areas. For indoor use only.

Operating Conditions: This table should be operated, between 40° F (4.4° C) and 100° F (37.8° C), with relative humidity ranging from 30% - 80%.

Transport & Storage Conditions: This table should be transported and stored in temperatures between -40° C (-40° F) and 70° C (158° F) with relative humidity 10%-100%.

Standards and Essential Performance:

Medical Electrical Equipment, Part 1: General Requirements for Basic Safety and Essential Performance [AAMI ES60601-1:2005+A1]

IEC 60601-1 (Third Edition) + Corr. 1:2006 + Corr. 2:2007 + A1:2012

Medical Electrical Equipment, Part 1: General Requirements for Basic Safety and Essential Performance [CSA C22.2#60601-1:2014 Ed. 3]*

Medical Electrical Equipment, Part 1-6: General Requirements for Basic Safety and Essential Performance - Collateral Standard: Usability [IEC 60601-1-6:2010 Ed. 3+A1]

IEC 60601-1-2:2014 Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic Compatibility, *

*This device has no essential performance

Electromagnetic Guidance (see next page for table for calculating distance if desired):

Guidance and manufacturer's declaration – electromagnetic emissions			
The DOC Table is intended for use in the electromagnetic environment specified below. The customer or the user of the DOC Table should assure that it is used in such an environment.			
Emissions test	Compliance	Electromagnetic environment - guidance	
RF emissions CISPR 11	Group 1	The DOC Table uses RF energy only for its internal function. therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.	
RF emissions CISPR 11	Class A	The DOC Table is suitable for use in all establishments other than domestic, and may be used in domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes	
Harmonic emissions IEC 61000-3-2	Class A		
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies		
Guidance and manufacturer's declaration – electromagnetic immunity			
The DOC Table is intended for use in the electromagnetic environment specified below. The customer or the user of the DOC Table should assure that it is used in such an environment.			
IMMUNITY Test	IEC 60601 test level	Compliance Level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	8 kV contact ±15 kV air	8kV contact 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	± 2 kV 100 KHz PRF	± 2 kV 100 KHz PRF	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 0.5, 1 kV line(s) to line(s) ± 0.5, 1, 2 kV line(s) to earth	± 0.5, 1 kV line(s) to line(s) ± 0.5, 1, 2 kV line(s) to earth	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	100% drop, 0.5 periods, 0, 45, 90, 135, 180, 225, 270, and 315°; 100% dip, 1 period 30% dip, 25/30 periods	100% drop, 0.5 periods, 0, 45, 90, 135, 180, 225, 270, and 315°; 100% dip, 1 period 30% dip, 25/30 periods	Mains power quality should be that of a typical commercial or hospital environment. If the user of the DOC Table requires continued operation during power mains interruptions, it is recommended that the DOC Table be powered from an uninterruptible power supply or a battery
Power frequency (50/60Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Conducted RF IEC 61000-4-6	3V with 6V ISM	3 V with 6V ISM	Portable and mobile RF communications equipment should be used no closer to any part of the DOC Table, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = 1.17 \sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3V/m	$d = 1.17 \sqrt{P}$ 80 MHz to 800 MHz $d = 2.33 \sqrt{P}$ 800 MHz to 2,5 GHz
Note 1: At 80 MHz and 800 MHz, the higher frequency range applies.			where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters*, as determined by an electromagnetic site survey should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: 
NOTE: UT IS THE A.C. MAINS VOLTAGE PRIOR TO APPLICATION OF THE TEST LEVEL.			
Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.			
*Field strengths from fixed transmitters, such as base stations for radio (cellular / cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the DOC Table is used exceeds the applicable RF compliance level above, the DOC Tables should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the DOC Table.			

The table below is available for user to calculate separation distance between mobile RF communications equipment and the Decompression Table. Contact Pivotal Health engineering for assistance.

Recommended separation distances between portable and mobile RF communications equipment and the DOC Table			
The DOC Table is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the DOC Table can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the DOC Table as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter		
	150 kHz to 80 MHz $d = 1.17 \sqrt{P}$	80 MHz to 800 MHz $d = 1.17 \sqrt{P}$	800 MHz to 2,5 GHz $d = 2.33 \sqrt{P}$
0,01			
0,1			
1			
10			
100			
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.			
NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

Expected Life: This product has an approximate expected life time of 10 years when correctly handled, serviced, and inspected in accordance with these instructions.

Design and Quality: Pivotal Health Solutions is certified in accordance with ISO 13485, the standard for the medical device industry.

Product Changes: Pivotal Health Solutions, Inc. reserves the right to make products changes without prior notice. Contact your Pivotal Health Solutions representative for advice and information about product upgrades.

Operation and Automatic Decompression Quick Start:



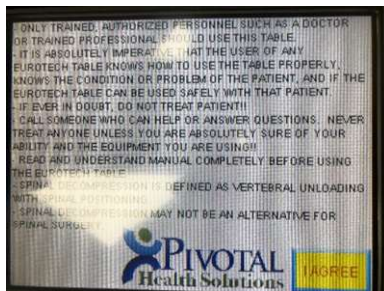
WARNING: Use of accessories and cables other than those specified or provided by Pivotal Health Solutions could result in increased electromagnetic emissions or decreased electromagnetic immunity and result in improper operation.



CRUSH HAZARD: Powered components used to elevate and lower this table present a potential crush hazard. KEEP CHILDREN AWAY FROM TREATMENT AREA. Allow only the patient and authorized staff in treatment area.



PINCH POINT: Always keep patient's hands positioned on top side of cushions when lowering, raising and tilting table to keep from potential pinch points.



Disclaimer Screen. The disclaimer must be acknowledged each time the unit is powered on.



The Main Menu screen.



CAUTION – Ensure patient restraint and any accessories are correct prior to starting treatment.

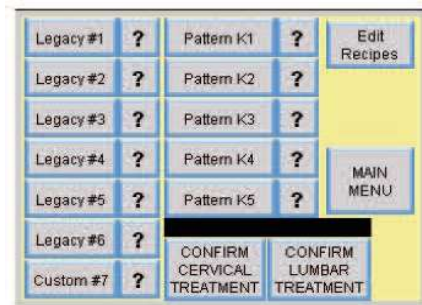


WARNING – Ensure all components have been inspected for damage and are fully functional, including weldments that if damaged or broken may lead to injury

1. Inspect table before turning it on. Use of table with damaged, broken, or non-working components, including weldments, may lead to injury.
2. Power unit on. Acknowledge the disclaimer.
3. Setup restraint for cervical or lumbar decompression. (See Restraint and Patient Setup sections of manual.)
4. Assist patient onto Table.
 - 4.1. The practitioner or trained staff should always assist the patient onto the table. Do not allow patient to get on the table by him/herself.
 - 4.2. The patient should check clothing for keys, wallet, belt, or any other items that may cause discomfort during treatment or damage to upholstery.
 - 4.3. Never leave patient unattended while on the table.
5. Restrain patient for Automatic Cervical or Lumbar Decompression.
6. Give the patient the Emergency Stop switch and instruct on how to use.
7. If table is in lowered position, elevate table to desired height for treatment once patient is in place.
8. Press the Automatic Decompression Menu Button on the main menu screen.

9. Select the desired treatment pattern.

9.1. Pattern choices include Legacy #1-6, Custom #7, or Pattern K1 – K5. Pressing these buttons load the pattern into the controller. Pressing the “?” after the pattern displays a visual representation of the pattern.



Decompression Pattern Selection Screen

10. Press the Confirm Cervical Treatment button for cervical decompression or Confirm Lumbar Treatment button for lumbar decompression.



WARNING – Before flexing lumbar downward during treatment, be sure table is at maximum height.

11. Enter treatment pounds.

12. Enter Treatment cycles.

13. Press patient stop switch to test operation as directed on screen.

14. Press Start. (Run screens will show progress.)

15. After treatment is completed, Press the Release Patient Then Retract button.

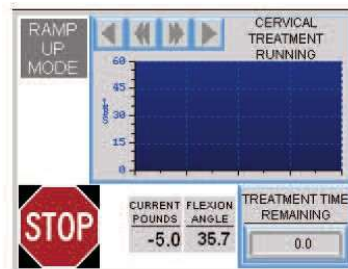
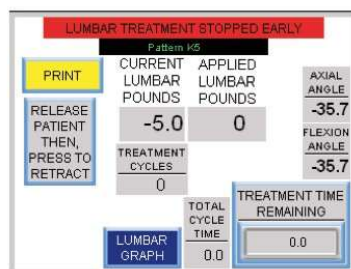
16. Return table to flat and lower.

17. Release patient from restraint.

18. Assist patient to sit up and to standing.

18.1. Caution patient to not get off table alone so as to prevent any strain that could void the treatment and to ensure patient is not lightheaded from lying down which can cause imbalance.

18.2. Allow patient to get full balance before coming to a standing position. Best practice is to keep a hand on the patient at all times.



19. Automatic Quick Start Control Panel Screens:

19.1. Disclaimer screen – read the warnings and if you agree press the I Agree button. This will open the DOC Main screen.

19.2. Main Menu screen – allows you to select from automatic decompression, elevation and targeting, and manual distraction.

- 19.3. Automatic Decompression Menu – pressing this button takes you to the Suggested Decompression Patterns Selection screen. From this screen you are able to select the treatment pattern and start a cervical or lumbar decompression session. These are only suggested treatment decompression patterns. The doctor must examine, diagnose, and suggest treatment based on a patient’s particular problem or condition. The decompression patterns are only guidelines.
- 19.4. Main Menu button – pressing this button returns you to the Main Menu screen.
- 19.5. Confirm Cervical Treatment button – pressing this button opens the pattern setup screen for Cervical Decompression.
- 19.6. Confirm Lumbar Treatment button – pressing this button opens the pattern setup screen for Lumbar Decompression.



WARNING – Before flexing lumbar downward, be sure table is at maximum height.

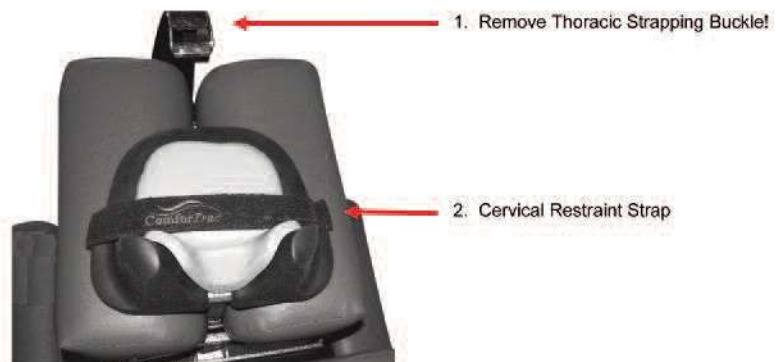
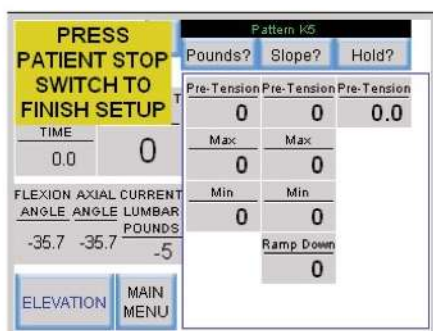
- 19.7. Legacy #1-6, Custom #7, or Pattern K1 – K5 buttons – pressing these buttons loads the pattern into the controller. Pressing the “?” after the pattern displays a visual representation of the pattern.

Cervical Decompression Restraint and Patient Setup:



20. Cervical Decompression Restraint and Patient Setup:

- 20.1. Hold cervical capture system against back of patient's head. Adjust rubber cervical capture in or out to fit patient's occiput.
- 20.2. For larger neck and head sizes, there is a neck cushion included with the cervical restraint; this can be removed to get a proper fit. (Capture blocks should be slightly below the occiput on each side.)
- 20.3. Plug cervical capture system into headpiece socket located in the center of the headpiece frame.
- 20.4. Unbuckle the cervical restraint strap.
- 20.5. Lay patient supine on the DOC. Adjust the patient so they can place their head comfortably on the gray cushion. Patient may have to slide up or down on the table to achieve this.
- 20.6. Make sure cervical capture blocks make contact snugly with the occiput.
- 20.7. The capture blocks should be slightly below the occiput on each side. The capture blocks will contact the patient's occiput during cervical decompression.
- 20.8. When the cervical capture blocks have firmly contacted the occiput, place the restraining strap across the forehead and Velcro snugly but comfortably in place.
- 20.9. The angle of the cervical head piece can be adjusted using Mechlock control at the head of the table. With both hands, hold onto the handles firmly, depress the thumb switch, and adjust angle to desired/prescribed treatment angle.
- 20.10. Use pillows or knee bolsters in the lower extremities as desired for patient comfort.
- 20.11. Additional Tips:
 - 20.11.1. Instruct patient to lay still. Movement can cause straps to slip.
 - 20.11.2. If straps slip and target pounds are not being reached on the screen, press the stop button and allow table to reset (patient may have to get off table). Reattach the belts and restart treatment cycle.
- 20.12. Ensure patient has the Patient Stop Switch and has been instructed on how to use.
 - 20.12.1. For safety, the Patient Stop Switch must be pressed prior to starting treatment.
- 20.13. The View Only display box showing "Current Cervical Pounds" should show less than 4 pounds before starting treatment, if not, adjust patient so pounds are below 4.
- 20.14. Set and verify treatment parameters. **DOUBLE CHECK THAT TREATMENT POUNDS THAT HAVE BEEN ENTERED TO BE APPLIED TO PATIENT ARE CORRECT.**
- 20.15. Follow Automatic Decompression Quick Start instructions.



Lumbar Decompression Restraint and Patient Setup:

21. Place the restraint belts on the table so the soft padded side faces up and the rough canvas side is laying on the table.

21.1. Lay the torso restraint belt onto the table. (The torso restraint belt has the buckle.) Unbuckle the buckle and extend the flaps out.



21.2. Lay the lumbar restraint onto the table and extend the flaps. The lumbar restraint may overlap the torso restraint and the lumbar restraint should lay above the gap between the lumbar and pelvic cushions. (Overlap is not shown; image is present to show the two separate belts.) The connection of the ring on the lumbar restraint belt to the ring on the lumbar strap is shown in the below right image.



22. Thread the straps through the strap clamps. When threading the strap into the metal clamp, thread up from under the clamp and thread out through the top of the clamp as shown below. (Both straps thread in this manner.) Excess strap points towards the center of the table for both straps.



23. Position the patient so their waist is in the middle of the lumbar restraint belt. The bottom of the lumbar belt needs to be above the iliac crest.



- 23.1. Firmly pull the right flap of the Lumbar restraint belt over the top of the patient's hips staying level with the waistline, above the iliac crest, then pull the left flap firmly over the right flap. *Note, the flaps should be firm and applying pressure to the patient's waist.



- 23.2. Buckle the torso restraint seat-belt-like clip over the lumbar belt.
- 23.3. All edges of the belt should be touching the patient; it should not be loose or have gaps. Adjust angle of strap to achieve this. Note. To minimize slipping it is very important that the Torso Restraint belt is tight against the patient's body.
24. Pull any remaining slack out from the Torso Restraint strap by lifting the strap clamp at the cervical end of the table slightly and pulling strap to tighten. Make sure the strap is pulled tight.
25. Pull any remaining slack out from the Lumbar Restraint strap by lifting the strap clamp slightly at the Lumbar end of the table and pulling the strap tight.
26. For optimal decompression make sure the Velcro belt is firmly wrapped and attached tightly to patient and table.
27. Refer to the QuickStart section and initiate desired treatment.

Additional tips:

- Excessive slippage can result if harnesses are not positioned properly, harnesses are not tight enough, or if slack is not taken out of the strap.
- After pulling strap through the clip at the end of the table, lift on the clip handle to “dig” the teeth into the belt. This will prevent the belt from slipping through the clip.
- For smaller patients that are slipping through the belts, it may help to place a towel between the patient and the belt.
- For larger patients, have them lay with their arms above their head if they can do so comfortably. Perform the strapping as described earlier, then have them bring their arms down to a comfortable resting spot. This will stretch out their body while straps are applied to allow for a secure fit.
- For large patients, you may need an extender belt which can be purchased from Pivotal Health.
- Silky or slippery clothing can cause belting to slip more.
- Patient needs to lie still during treatment as movement can cause the straps to slip.
- If straps slip during treatment and target pounds are not being reached, press the stop button, allow table to reset (patient may have to get off table), then reattach belt and restart treatment cycle.

Legacy Treatment Patterns:

28. LEGACY Patterns – Treatments vary in ramp up hold time, steps ramping up and down, treatment hold time, relax time, and ramp down hold times. Pictures of each Legacy pattern and their setup screen showing the parameters of each pattern and what the setup screens look like are below. After the images are steps for filling in the setup screen for the selected pattern.



Legacy 1 Setup Screen

*Lumbar treatments are described, but apply to both lumbar and cervical

START LUMBAR ? Legacy #1

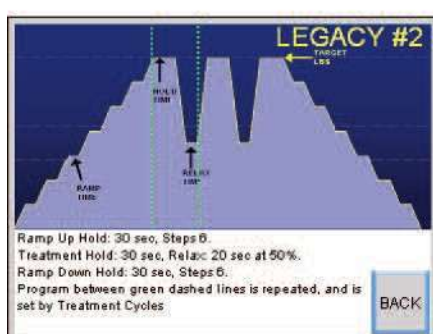
Ramp Up Hold: 60 sec, Steps 4.
Treatment Hold: 60 sec, Relax: 30 sec at 50%.
Ramp Down Hold: 60 sec, Steps 4.

ESTIMATED CYCLE TIME	TREATMENT CYCLES
0.0	0

FLEXION ANGLE	AXIAL CURRENT ANGLE	LUMBAR POUNDS
-35.7	-35.7	-5

TREATMENT POUNDS: 0

ELEVATION MAIN MENU



Legacy 2 Setup Screen

START LUMBAR ? Legacy #2

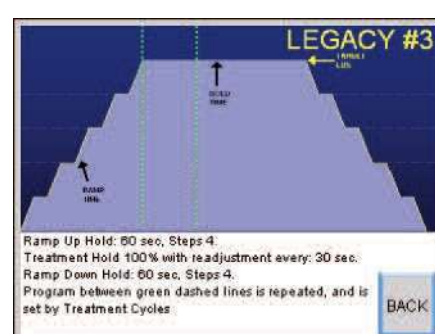
Ramp Up Hold: 30 sec, Steps 6.
Treatment Hold: 30 sec, Relax: 20 sec at 50%.
Ramp Down Hold: 30 sec, Steps 6.

ESTIMATED CYCLE TIME	TREATMENT CYCLES
0.0	0

FLEXION ANGLE	AXIAL CURRENT ANGLE	LUMBAR POUNDS
-35.7	-35.7	-5

TREATMENT POUNDS: 0

ELEVATION MAIN MENU



Legacy 3 Setup screen

START LUMBAR ? Legacy #3

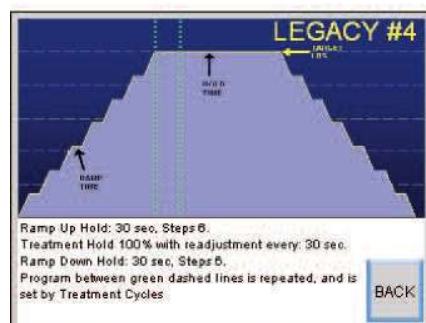
Ramp Up Hold: 60 sec, Steps 4.
Treatment Hold: 100% with readjustment every: 30 sec.
Ramp Down Hold: 60 sec, Steps 4.

ESTIMATED CYCLE TIME	TREATMENT CYCLES
0.0	0

FLEXION ANGLE	AXIAL CURRENT ANGLE	LUMBAR POUNDS
-35.7	-35.7	-5

TREATMENT POUNDS: 0

ELEVATION MAIN MENU



Legacy 4 Setup Screen

START LUMBAR ? Legacy #4

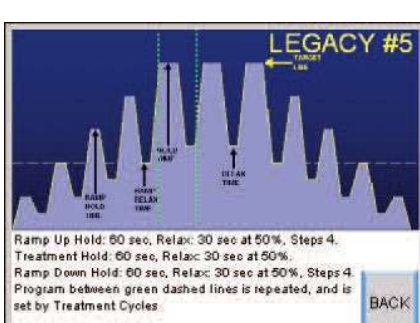
Ramp Up Hold: 30 sec, Steps 6.
Treatment Hold: 100% with readjustment every: 30 sec.
Ramp Down Hold: 30 sec, Steps 6.

ESTIMATED CYCLE TIME	TREATMENT CYCLES
0.0	0

FLEXION ANGLE	AXIAL CURRENT ANGLE	LUMBAR POUNDS
-35.7	-35.7	-5

TREATMENT POUNDS: 0

ELEVATION MAIN MENU



Legacy 5 Setup Screen

START LUMBAR ? Legacy #5

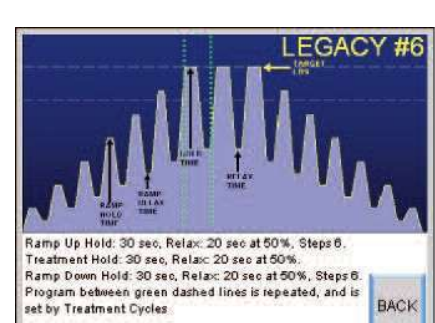
Ramp Up Hold: 60 sec, Relax: 30 sec at 50%, Steps 4.
Treatment Hold: 60 sec, Relax: 30 sec at 50%.
Ramp Down Hold: 60 sec, Relax: 30 sec at 50%, Steps 4.

ESTIMATED CYCLE TIME	TREATMENT CYCLES
0.0	0

FLEXION ANGLE	AXIAL CURRENT ANGLE	LUMBAR POUNDS
-35.7	-35.7	-5

TREATMENT POUNDS: 0

ELEVATION MAIN MENU



Legacy 6 Setup Screen

START LUMBAR ? Legacy #6

Ramp Up Hold: 30 sec, Relax: 20 sec at 50%, Steps 6.
Treatment Hold: 30 sec, Relax: 20 sec at 50%.
Ramp Down Hold: 30 sec, Relax: 20 sec at 50%, Steps 6.

ESTIMATED CYCLE TIME	TREATMENT CYCLES
0.0	0

FLEXION ANGLE	AXIAL CURRENT ANGLE	LUMBAR POUNDS
-35.7	-35.7	-5

TREATMENT POUNDS: 0

ELEVATION MAIN MENU

29. Legacy pattern setup screens:

- 29.1. Treatment cycles and treatment pounds will be entered by the user.
 - 29.1.1. Treatment cycles – click on the box and enter the desired number of treatment cycles.
 - 29.1.2. Treatment pounds – click on the box and enter the desired treatment pounds.
- 29.2. Boxes on the screen containing Estimated Cycle Time, Flexion Angle, Axial Angle, Current Lumbar Pounds (or Current Cervical Pounds), and the treatment parameters of ramp hold, steps, etc. are view only. These data boxes display the status of that parameter on the table.
 - 29.2.1. Estimated Cycle time – displays calculated treatment time based on treatment parameters entered. Increasing treatment pounds or number of treatment cycles will increase treatment time. Slope and hold time also affect cycle times.
 - 29.2.2. Flexion Angle – a negative number indicates the end of the table is pointing skyward. A positive number indicates the end of the table is pointing towards the floor.
 - 29.2.3. Axial Angle – a negative number indicates that the table is rotated counter-clockwise. A positive number indicates that the table is rotated clockwise.
- 29.3. Pressing Elevation button opens the Elevation pop up screen.
- 29.4. Pressing Main Menu returns the user to the Main Menu screen.
- 29.5. Pressing the start Lumbar button will start treatment using the Treatment Cycles and Treatment Pounds that have been entered.

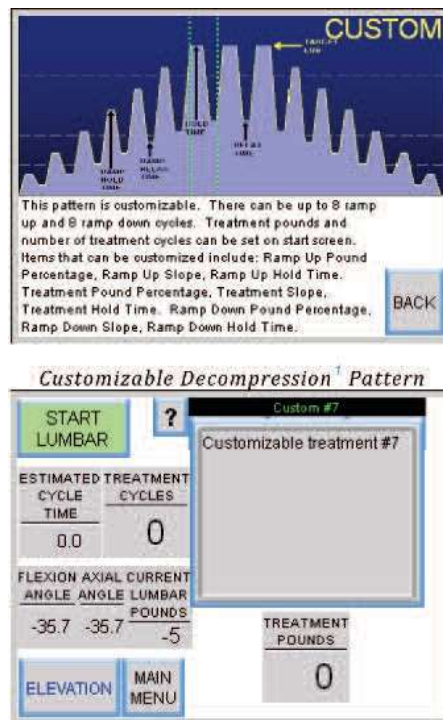
Legacy 1 Setup Screen
**Lumbar treatments are described, but apply to both lumbar and cervical*

The screenshot displays the 'Legacy 1 Setup Screen' with a title bar and a question mark icon. The screen is divided into several sections:

- START LUMBAR**: A green button in the top left.
- ESTIMATED TREATMENT**: A section with two columns: 'CYCLE TIME' (displaying '0.0') and 'CYCLES' (displaying '0').
- FLEXION AXIAL CURRENT**: A section with three columns: 'ANGLE' (displaying '-35.7'), 'ANGLE' (displaying '-35.7'), and 'LUMBAR POUNDS' (displaying '-5').
- TREATMENT POUNDS**: A section with a single column displaying '0'.
- ELEVATION** and **MAIN MENU**: Two blue buttons at the bottom left.
- Legacy #1**: A box on the right containing treatment parameters: 'Ramp Up Hold: 60 sec, Steps 4.', 'Treatment Hold: 60 sec, Relax: 30 sec at 50%', and 'Ramp Down Hold: 60 sec, Steps 4.'.

Custom Treatment Pattern:

30. Custom #7 Pattern – this pattern is customizable. There can be up to 8 ramp up and 8 ramp down cycles, as well as 8 steps in a repeatable treatment cycle. Treatment pounds and number of Treatment Cycles can be set on the start screen. Items that can be customized can include: Ramp Up Pound Percentage, Ramp Up Slope, Ramp Up Hold Time, Treatment Pound Percentage, Treatment Slope, Treatment Hold Time, Ramp Down Pound Percentage, Ramp Down Slope, Ramp Down Hold Time.



31. Custom Protocol parameters – this protocol is a very flexible option for patient treatment. The best way to program a treatment pattern is to sketch it out in graph form. See Appendix A for a blank chart and table.

31.1. Percent – this is the percent of the finish treatment pounds desired for a particular step.

31.2. Hold time is set in 0.1-minute increments.

6 seconds = 0.1 minute = setting of 1
30 seconds = 0.5 minute = setting of 5
60 seconds = 1.0 minute = setting of 10

31.3. Pounds are set in 1-pound increments.

31.4. Slope is a calculated value that can be set from 1 to 9999. A typical range is 50-300.

31.4.1. Slope is the rate of rise over time. For example, when pounds are changing from 0 – 50 pounds with a slope of 500, it will take 10 seconds to reach 50 pounds. Ignore negative values.

31.4.2. Formula for calculating slope: $\text{Slope} = (\text{Finish pounds} - \text{Start pounds}) / \text{Time} * 100$

31.4.3. Examples for value to enter for Slope:

Ramp 0 – 50 pounds over 30 seconds

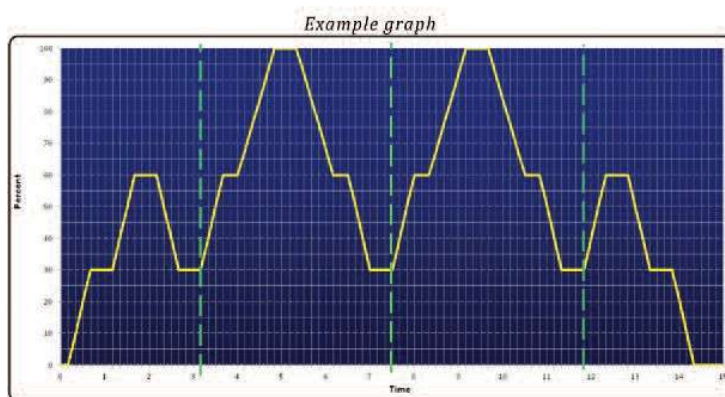
$$(50-0) / 30 * 100 = 160 \text{ Slope}$$

Rampe 30 – 60 pounds over 30 seconds

$$(60-30) / 30 * 100 = 100 \text{ Slope}$$

32. Determine the Programming for the Custom Protocol

32.1. The custom protocol can have up to 8 steps.



32.2. For each step, the user will define the setpoints for the Percent of Finish Treatment Pounds, Slope, and Hold Time.

32.3. There are steps for Ramp Up, Treatment, and Ramp Down.

32.4. User will enter a setpoint of Zero (0) for all steps beyond the needed steps for their protocol.

32.5. Example graph protocol is shown below, user will enter values in red into software:

Ramp Up			Treatment			Ramp Down*		
Step 1	Target %	30%	Step 1	Target %	60%	Step 1	Target %	60%
	Ramp/Slope	0 to 30% over 30 sec (30-0)/30*100=100		Ramp/Slope	30 to 60% over 30 sec (60-30)/30*100=100		Ramp/Slope	30 to 60% over 30 sec (60-30)/30*100=100
	Hold	30 sec = 0.5 min= 5		Hold	20 sec = 0.3 min = 3		Hold	30 sec = 0.5 min= 5
Step 2	Target %	60%	Step 2	Target %	100%	Step 2	Target %	30%
	Ramp/Slope	30 to 60% over 30 sec (60-30)/30*100=100		Ramp/Slope	60 to 100% over 30 sec (100-60)/30*100=80		Ramp/Slope	60 to 30% over 30 sec (30-60)/30*100=100
	Hold	30 sec = 0.5 min= 5		Hold	30 sec = 0.5 min = 5		Hold	30 sec = 0.5 min= 5
Step 3	Target %	30%	Step 3	Target %	60%	Step 3	Target %	0%*
	Ramp/Slope	60 to 30% over 30 sec (30-60)/30*100=100		Ramp/Slope	100 to 60% over 50 sec (60-100)/50*100=80		Ramp/Slope	30 to 0% over 30 sec (0-30)/30*100=100
	Hold	30 sec = 0.5 min= 5		Hold	20 sec = 0.3 min = 3		Hold	0 sec = 0 min = 0
Step 4		All zeroes	Step 4	Target %	30%	Step 4		All zeroes
Step 5		All zeroes		Ramp/Slope	60 to 30% over 30 sec (30-60)/30*100=100	Step 5		All zeroes
Step 6		All zeroes		Hold	30 sec = 0.5 min= 5	Step 6		All zeroes
Step 7		All zeroes				Step 7		All zeroes
Step 8		All zeroes	Step 5		All zeroes	Step 8		All zeroes
			Step 6		All zeroes			
			Step 7		All zeroes			
			Step 8		All zeroes			

*Last Target % step in protocol for ramp down needs to be zero (0) in order for tension to be released.

32.6. Example graph protocol shown in software program view (user will have entered the column for SETPOINT):

RAMP UP			RAMP UP		
SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNAL NAME
30	Step 1 percent	RPUPRCPEENDSPVALUE1	0	Step 5 percent	RPUPRCPEENDSPVALUE5
100	Step 1 slope	RPUPRCPRAMP SLOPE 1	0	Step 5 slope	RPUPRCPRAMP SLOPE 5
5	Step 1 hold time	RPUPRCPSOAK DURATION 1	0	Step 5 hold time	RPUPRCPSOAK DURATION 5
60	Step 2 percent	RPUPRCPEENDSPVALUE2	0	Step 6 percent	RPUPRCPEENDSPVALUE6
100	Step 2 slope	RPUPRCPRAMP SLOPE 2	0	Step 6 slope	RPUPRCPRAMP SLOPE 6
5	Step 2 hold time	RPUPRCPSOAK DURATION 2	0	Step 6 hold time	RPUPRCPSOAK DURATION 6
30	Step 3 percent	RPUPRCPEENDSPVALUE3	0	Step 7 percent	RPUPRCPEENDSPVALUE7
100	Step 3 slope	RPUPRCPRAMP SLOPE 3	0	Step 7 slope	RPUPRCPRAMP SLOPE 7
5	Step 3 hold time	RPUPRCPSOAK DURATION 3	0	Step 7 hold time	RPUPRCPSOAK DURATION 7
0	Step 4 percent	RPUPRCPEENDSPVALUE4	0	Step 8 percent	RPUPRCPEENDSPVALUE8
0	Step 4 slope	RPUPRCPRAMP SLOPE 4	0	Step 8 slope	RPUPRCPRAMP SLOPE 8
0	Step 4 hold time	RPUPRCPSOAK DURATION 4	0	Step 8 hold time	RPUPRCPSOAK DURATION 8

TREATMENT			TREATMENT		
SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNAL NAME
60	Step 1 percent	TREATRCPEENDSPVALUE1	0	Step 5 percent	TREATRCPEENDSPVALUE5
100	Step 1 slope	TREATRCPRAMP SLOPE 1	0	Step 5 slope	TREATRCPRAMP SLOPE 5
3	Step 1 hold time	TREATRCPSOAK DURATION 1	0	Step 5 hold time	TREATRCPSOAK DURATION 5
100	Step 2 percent	TREATRCPEENDSPVALUE2	0	Step 6 percent	TREATRCPEENDSPVALUE6
80	Step 2 slope	TREATRCPRAMP SLOPE 2	0	Step 6 slope	TREATRCPRAMP SLOPE 6
5	Step 2 hold time	TREATRCPSOAK DURATION 2	0	Step 6 hold time T	REATRCPSOAK DURATION 6
60	Step 3 percent	TREATRCPEENDSPVALUE3	0	Step 7 percent	TREATRCPEENDSPVALUE7
80	Step 3 slope	TREATRCPRAMP SLOPE 3	0	Step 7 slope	TREATRCPRAMP SLOPE 7
3	Step 3 hold time	TREATRCPSOAK DURATION 3	0	Step 7 hold time	TREATRCPSOAK DURATION 7
30	Step 4 percent	TREATRCPEENDSPVALUE4	0	Step 8 percent	TREATRCPEENDSPVALUE8
100	Step 4 slope	TREATRCPRAMP SLOPE 4	0	Step 8 slope	TREATRCPRAMP SLOPE 8
5	Step 4 hold time	TREATRCPSOAK DURATION 4	0	Step 8 hold time	TREATRCPSOAK DURATION 8

RAMP DOWN			RAMP DOWN		
SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNAL NAME
60	Step 1 percent	RPDNRCP END SP VALUE 1	0	Step 5 percent	RPDNRCP END SP VALUE 5
100	Step 1 slope	RPDNRCP RAMP SLOPE 1	0	Step 5 slope	RPDNRCP RAMP SLOPE 5
5	Step 1 hold time	RPDNRCP SOAK DURATION 1	0	Step 5 hold time	RPDNRCP SOAK DURATION 5
30	Step 2 percent	RPDNRCP END SP VALUE 2	0	Step 6 percent	RPDNRCP END SP VALUE 6
100	Step 2 slope	RPDNRCP RAMP SLOPE 2	0	Step 6 slope	RPDNRCP RAMP SLOPE 6
5	Step 2 hold time	RPDNRCP SOAK DURATION 2	0	Step 6 hold time	RPDNRCP SOAK DURATION 6
0	Step 3 percent	RPDNRCP END SP VALUE 3	0	Step 7 percent	RPDNRCP END SP VALUE 7
100	Step 3 slope	RPDNRCP RAMP SLOPE 3	0	Step 7 slope	RPDNRCP RAMP SLOPE 7
0	Step 3 hold time	RPDNRCP SOAK DURATION 3	0	Step 7 hold time	RPDNRCP SOAK DURATION 7
0	Step 4 percent	RPDNRCP END SP VALUE 4	0	Step 8 percent	RPDNRCP END SP VALUE 8
0	Step 4 slope	RPDNRCP RAMP SLOPE 4	0	Step 8 slope	RPDNRCP RAMP SLOPE 8
0	Step 4 hold time	RPDNRCP SOAK DURATION 4	0	Step 8 hold time	RPDNRCP SOAK DURATION 8

32.7. Transfer values to the computer.

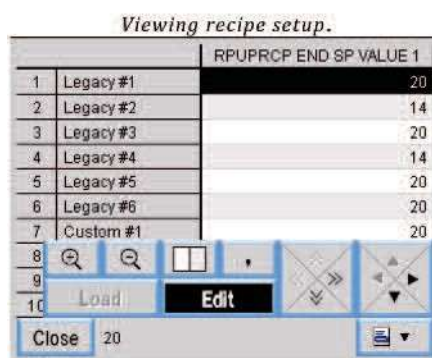
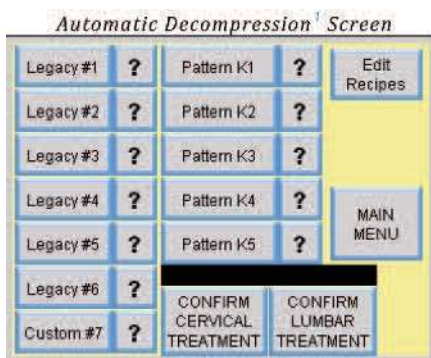
32.7.1. Press the Edit Recipes button on the Automatic Decompression screen.

32.7.2. Scroll down to Custom #1 (do not edit Legacy values).

32.7.3. Press the Edit button to allow for editing of the parameters.

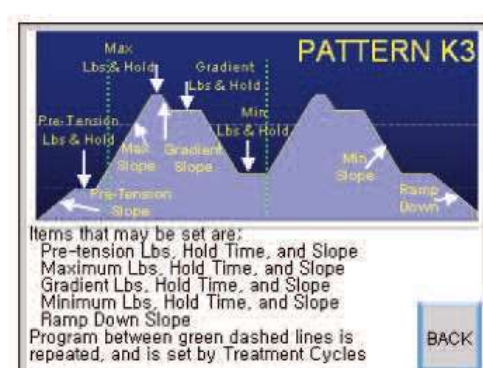
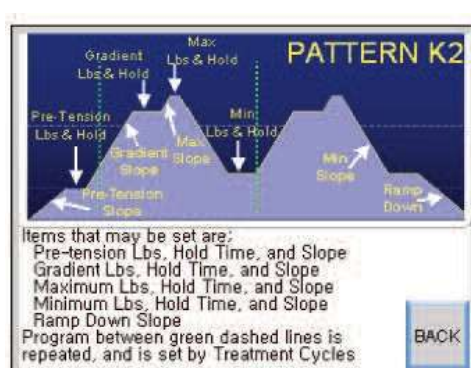
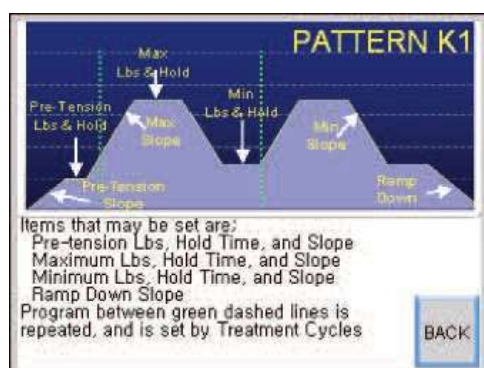
32.7.4. To change the parameters, press on the number you would like to change and a User Defined Key Pad will open where you will be able to enter the desired value. Verify the value is correct before continuing.

32.7.5. Use the right arrow to move to the next cell - the name of the step you will be editing ("Internal Name") is shown at the top of the edit screen.



K Pattern Treatment Patterns:

33. K Pattern Treatment Patterns – these treatment patterns have more user defined fields for each treatment than the Legacy Treatment Patterns. In the Legacy Treatment Patterns, the user defined the treatment pounds and number of treatment cycles only. In the K Pattern Treatment Patterns, the user will define the number of Treatment Cycles along with some variation of Pounds, Gradient Slope and Hold Time for several sections of treatment (a Pre-tension section, a Maximum section, and a Minimum section of treatment), along with a Ramp Down Slope. Each K Pattern has a different combination of parameters the user will define. Images of each K pattern and their setup screen showing the parameters of each pattern and what the setup screens look like. See the next steps for filling in the setup screen for the selected pattern.



Pattern K1 Setup Screen

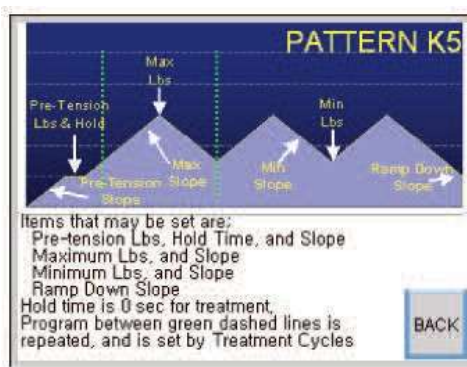
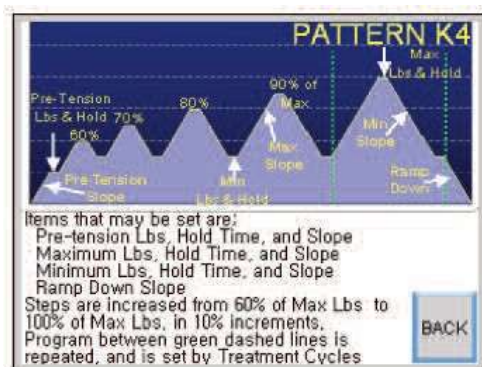
START CERVICAL		Pattern K1		
		Pounds?	Slope?	Hold?
ESTIMATED TREATMENT CYCLE TIME	0.0	Pre-Tension 0	Pre-Tension 0	Pre-Tension 0.0
	0	Max 0	Max 0	Max 0.0
FLEXION ANGLE	35.7	Min 0	Min 0	Min 0.0
CURRENT CERVICAL POUNDS	-5	Ramp Down 0		
ELEVATION MAIN MENU				

Pattern K2 Setup Screen

START CERVICAL		Pattern K2		
		Pounds?	Slope?	Hold?
ESTIMATED TREATMENT CYCLE TIME	0.0	Pre-Tension 0	Pre-Tension 0	Pre-Tension 0.0
	0	Gradient 0	Gradient 0	Gradient 0.0
FLEXION ANGLE	35.7	Max 0	Max 0	Max 0.0
CURRENT CERVICAL POUNDS	-5	Min 0	Min 0	Min 0.0
ELEVATION MAIN MENU		Ramp Down 0		

Pattern K3 Setup Screen

START CERVICAL		Pattern K3		
		Pounds?	Slope?	Hold?
ESTIMATED TREATMENT CYCLE TIME	0.0	Pre-Tension 0	Pre-Tension 0	Pre-Tension 0.0
	0	Max 0	Max 0	Max 0.0
FLEXION ANGLE	35.7	Gradient 0	Gradient 0	Gradient 0.0
CURRENT CERVICAL POUNDS	-5	Min 0	Min 0	Min 0.0
ELEVATION MAIN MENU		Ramp Down 0		



Pattern K4 Setup Screen

START CERVICAL		Pattern K4		
		Pounds?	Slope?	Hold?
ESTIMATED TREATMENT CYCLE TIME	TREATMENT CYCLES	Pre-Tension	Pre-Tension	Pre-Tension
0.0	0	0	0	0.0
		Max	Max	Max
		0	0	0.0
FLEXION ANGLE	CURRENT CERVICAL POUNDS	Min	Min	Min
35.7	-5	0	0	0.0
		Ramp Down		
		0		
ELEVATION	MAIN MENU			

Pattern K5 Setup Screen

START CERVICAL		Pattern K5		
		Pounds?	Slope?	Hold?
ESTIMATED TREATMENT CYCLE TIME	TREATMENT CYCLES	Pre-Tension	Pre-Tension	Pre-Tension
0.0	0	0	0	0.0
		Max	Max	
		0	0	
FLEXION ANGLE	CURRENT CERVICAL POUNDS	Min	Min	
35.7	-5	0	0	
		Ramp Down		
		0		
ELEVATION	MAIN MENU			

34. K Pattern user defined parameters – not all parameters are defined for each K Pattern.

34.1. From the Automatic Decompression page select the Pattern and then either Confirm Lumbar or Start Cervical. Confirming Cervical or Lumbar will then open the setup screen for the chosen pattern.

Automatic Decompression Screen

Legacy #1	?	Pattern K1	?	Edit Recipes
Legacy #2	?	Pattern K2	?	
Legacy #3	?	Pattern K3	?	
Legacy #4	?	Pattern K4	?	
Legacy #5	?	Pattern K5	?	
Legacy #6	?			
Custom #7	?	CONFIRM CERVICAL TREATMENT	CONFIRM LUMBAR TREATMENT	MAIN MENU

Pattern K1 Setup Screen

START CERVICAL		Pattern K1		
		Pounds?	Slope?	Hold?
ESTIMATED TREATMENT CYCLE TIME	TREATMENT CYCLES	Pre-Tension	Pre-Tension	Pre-Tension
0.0	0	0	0	0.0
		Max	Max	Max
		0	0	0.0
FLEXION ANGLE	CURRENT CERVICAL POUNDS	Min	Min	Min
35.7	-5	0	0	0.0
		Ramp Down		
		0		
ELEVATION	MAIN MENU			

34.2. The “?” displays the visual representation of the pattern.

34.3. Treatment Cycles – pressing this button opens the User Define keypad and Number of Treatment cycles can be entered.

34.4. Pressing the button for the headings “Pounds? Slope? Hold?” will open up a screen showing how the parameters is defined.

Slope

Slope is rate of rise over time. For example, when pounds are changing from 0-500 lbs with a slope of 50, it will take 10 seconds to reach 50 lbs.
 $(\text{Finish Lbs} - \text{Start Lbs}) / \text{Time} \times 100 = \text{Slope}$

Ramp 0 - 50 lbs over 10 seconds
 $(50 - 0) / 10 \times 100 = 500 \text{ Slope}$

Ramp 0 - 50 lbs over 30 seconds
 $(50 - 0) / 30 \times 100 = 160 \text{ Slope}$

Ramp 30 - 60 lbs over 30 seconds
 $(60 - 30) / 30 \times 100 = 100 \text{ Slope}$

BACK

Hold

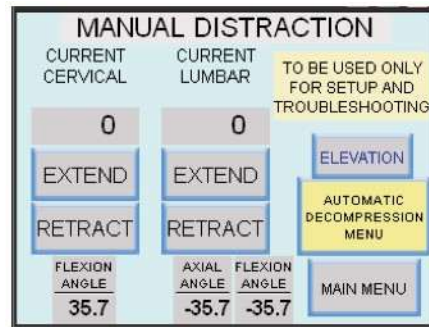
Hold is the length of time that the tension will hold, and pounds will remain constant. Hold is programmed in .1 minute increments. on touch pad decimal is automatic so to enter 2 minutes, press 20, and the display will show 2.0

Examples:
 6 seconds = .1 Min. Enter 1
 12 seconds = .2 Min. Enter 2
 18 seconds = .3 Min. Enter 3
 24 seconds = .4 Min. Enter 4
 30 Seconds = .5 Min. Enter 5
 60 Seconds = 1.0 Min. Enter 10
 90 seconds = 1.5 Min. Enter 15

BACK

- 34.5. Fields (such as Pre-Tension, Max, Min, etc.) under the heading “Pounds? Slope? Hold?” on the setup screen can be clicked and then the desired value for the field can be entered with the User Define keypad.
- 34.6. View only fields include Estimated Cycle Time, Flexion Angle, Current Cervical/Lumbar Pounds.
- 34.7. NOTE – NOT ALL PARAMETERS DEFINED BELOW ARE AVAILABLE FOR EVERY K PATTERN.**
- 34.8. Pre-tension pounds – target traction tension (in pounds) for the first step in these patterns.
- 34.9. Pre-tension slope – rate at which the motor and PLC move to the next target pounds.
- 34.10. Pre-tension hold – the length of time that the tension will be maintained. Hold time is in 0.1 minute increments. (6 seconds = 0.1 minute, enter 1 for hold time; 30 seconds = 0.5 minute, enter 5 for hold time, 60 seconds = 1 minute, Enter 10 for hold time etc.)
- 34.11. Gradient pounds – pounds of tension that will be held during this portion of treatment cycle.
- 34.12. Gradient slope – rate at which motor and PLC move the gradient pounds.
- 34.13. Gradient hold – time the tension will be held during the gradient portion of cycle.
- 34.14. Max pounds – the pounds that will be held during the maximum tension portion of the pattern.
- 34.15. Max slope – the rate at which the motor and PLC move to the maximum pounds.
- 34.16. Max hold – the time tension of maintained at maximum pounds.
- 34.17. Min pounds – the pounds that will be held during the minimum tension portion of the pattern.
- 34.18. Min slope – rate at which the motor and PLC move to the minimum pounds.
- 34.19. Min hold – the time tension is maintained at the minimum pounds.
- 34.20. Ramp down slope – rate at which the motor and PLC return to zero (0) pounds after treatment.
- 34.21. Once the desired values have all been entered on the K Pattern Setup Screen, select Start Cervical (or Start Lumbar) and treatment will begin.

Manual Distraction Menu:



Manual Distraction Screen

35. Manual Distraction – pressing this button from the Main Menu takes you to the Manual Distraction screen. From this screen you are able to manually extend and retract the cervical and lumbar motors.



CAUTION: The manual distraction mode is NOT meant for treatment. Manual Distraction mode is used for troubleshooting and setup only.

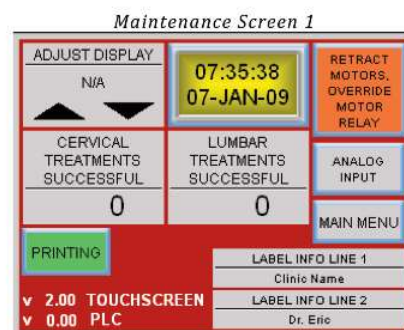
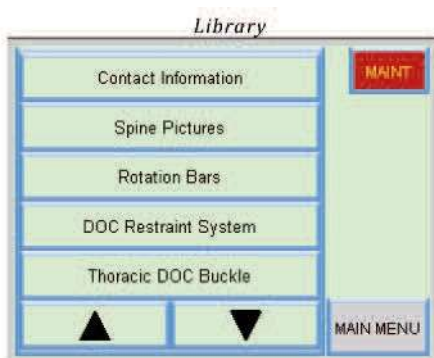
- 35.1. Current Cervical / Current Lumbar pounds are displayed and are view only boxes. Pounds cannot be set on this page.
- 35.2. Cervical/Lumbar Extend – pressing this button move the cervical headpiece (or lumbar section) outward, away from the table.
- 35.3. Cervical/Lumbar Retract – pressing this button moves the cervical headpiece (or lumbar section) inward, towards center of table.
- 35.4. Cervical/Lumbar Flexion Angle - displays the current angle of the headpiece or lumbar section. A negative number indicates the section is tilted skyward. A positive number indicates the section is pointed towards the floor.
- 35.5. Lumbar Axial Angle – display the current axial angle of the lumbar section. A negative number indicates the table is rotated counter-clockwise. A positive number indicates the table is rotated clockwise.

Library:

36. The library is available on the models with a Swing Arm display (E9011, E9014).

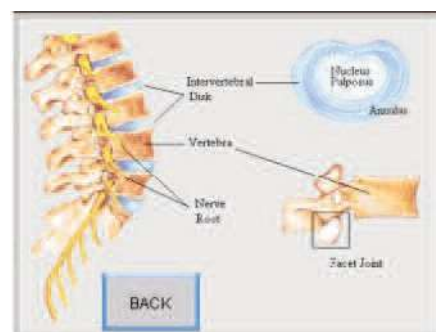
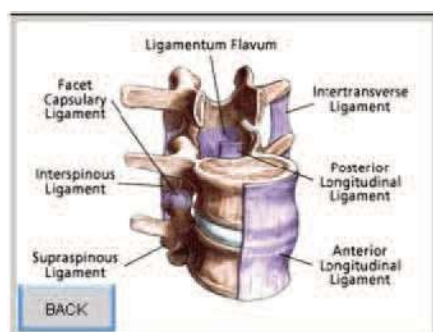
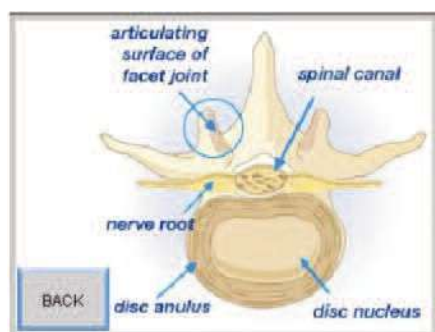
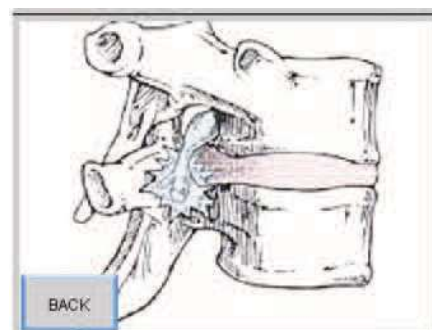
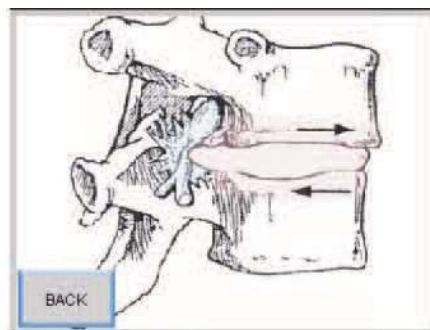
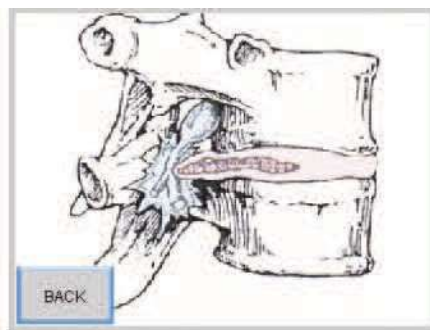
36.1. Images and information from the library are included in this manual.

36.2. Press the button corresponding to the library section you would like to access.

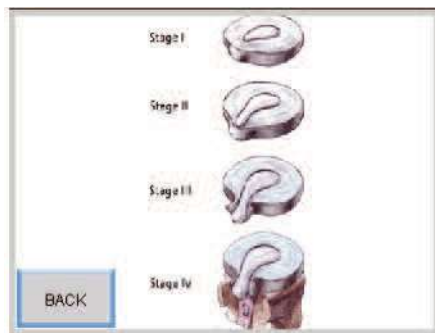
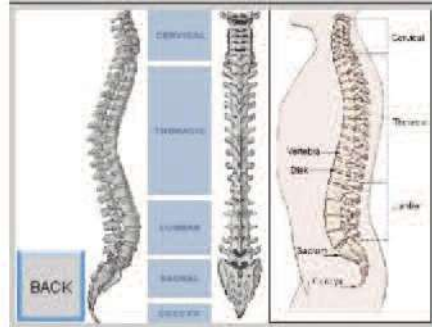
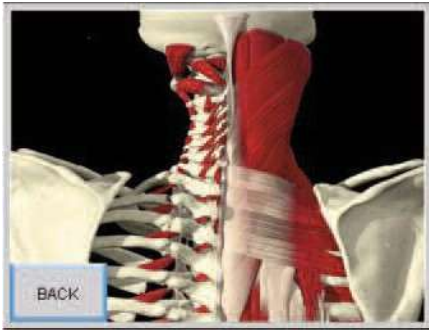


36.3. Reference images of the spine include:

Reference Images of the Spine



Reference Images of the Spine



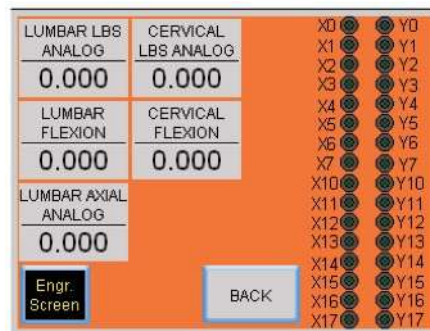
Maintenance Screens:



37. The maintenance button on Manual Distraction opens the Maintenance Screen. The various buttons on the screen are described below. Touchscreen and PLC revision levels are shown.

- 37.1. Adjust display – pressing the up and down arrows on the screen will adjust the contrast of the screen making it easier to read.
- 37.2. Date and Time – display of the date and time. Current date is set inside the touch screen setup menu and is only used for viewing the information.
- 37.3. Cervical Treatments Successful – displays the number of cervical treatments the DOC table has completed successfully.
- 37.4. Lumbar Treatments Successful – displays the number of lumbar treatments the DOC table has completed successfully.
- 37.5. Retract Motors, Override Motor Relay – pressing and holding this button forces both distraction motors to retract following an overload.
- 37.6. Analog input – pressing this button opens the analog input screen.

Analog Input Screen – for use with service only



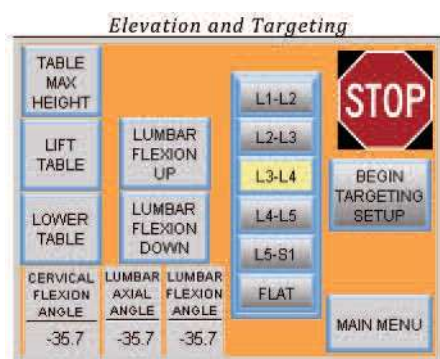
- 37.6.1. Lumbar LBS Analog – displays the analog signal from the load cell to the PLC.
- 37.6.2. Cervical LBS Analog – displays the analog signal from load cell to the PLC.
- 37.6.3. Lumbar Flexion – displays the analog signal from the lumbar inclinometer.
- 37.6.4. Cervical Flexion – displays the analog axial signal from the cervical inclinometer.
- 37.6.5. Lumbar Axial Analog – displays the analog axial signal from the lumbar inclinometer
- 37.6.6. Eng Screen – only to be used under direction of Pivotal Health technical support. Screen is password protected.
- 37.6.7. Inputs X0 through X23

X0	Patient Stop Switch – pressing the patient stop switch will toggle this input on and off. This can be used to test the stop switch.
X1-X3	Unused
X4	Elevation up from the optional footswitch. Pressing the up on the optional elevation footswitch toggles this input on and off.
X5	Elevation down from the optional footswitch. Pressing the down on the optional elevation footswitch toggles this input on and off.
X6	Flexion up from the optional footswitch. Pressing the up on the optional flexion footswitch toggles this input on and off.
X7	Flexion down from the optional footswitch. Pressing the down on the optional flexion footswitch toggles this input on and off.
X10-X23	Unused.

37.6.8. Outputs Y0 through Y17

Y0	Motor extend – When the PLC signals the motors to extend this output is on.
Y1	Motor retract – When the PLC signals the motors to retract this output is on.
Y2-Y3	Unused
Y4	Lift up – When the PLC signals the lift column to extend this output is on.
Y5	Lift down – When the PLC signals the lift column to retract this output is on.
Y6	Flexion up – when the PLC signals the flexion to extend this output is on.
Y7	Flexion down – when the PLC signals the flexion to retract this output is on.
Y8-Y9	Unused
Y10	Cervical motor – when the PLC signals, a relay energizes to select the cervical motor.
Y11	Lumbar motor – when the PLC signals, a relay energizes to select the lumbar motor.
Y12-Y17	Unused

Elevation and Targeting:



38. The Elevation and Targeting screen, which is selected from the Main Menu, can be used to bring the table to maximum height. Specific sections of the spine can be targeted on this screen by selecting the spine section desired (L1-L2, L2-L3, etc.) and then pressing Begin Targeting Setup. Manual adjustment of elevation (raising and lowering) can also be performed, and the targeted angles can also be set by pressing the Lumbar Flexion Up or Down buttons or manually with the Rotational Bars and observing the angle in the Angle display boxes.

38.1. Table Max Height – elevates table to maximum height.

38.2. Lift Table – elevates tables while button is held.

38.3. Lower Table – lowers table while button is held.

38.4. Lumbar Flexion Up – pressing this button flexes the lumbar upward.

38.5. Lumbar Flexion Down – pressing this button flexes the lumbar downward.  **WARNING** – be sure table is at maximum height before flexing lumbar downward.

38.6. Targeting buttons -  **CAUTION** – The programmed angles are only a suggested starting point. Angel may need to be adjusted based on the patient's body type and height.

38.7. STEPS FOR TARGETING SECTIONS OF Spine:

38.7.1. Press the button for the desired section of spine, L1-L2, L2-L3, etc.

38.7.2. Press the Begin Targeting Setup button. (Table will move to the programmed setting.)

38.7.3. Stop button can be pressed at any time and will stop table movement.

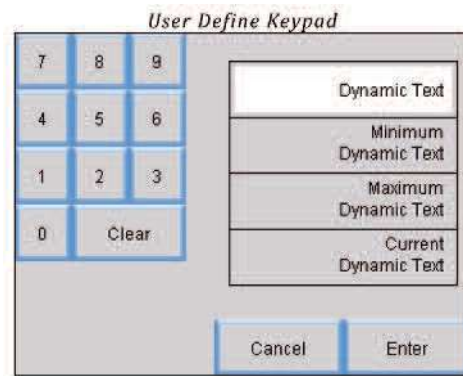
38.7.4. (Once angle is setup, you can return to the Main Menu and select the Treatment Program.)

Rotational Bars and Axial and Flexion angles:

39. In the library, pressing the Rotational Bars button takes you to a screen with information on axial and lateral rotation. It also displays current angles of axial and flexion.
- 39.1. Lumbar Flexion Angle – displays the current angle of lumbar flexion. A negative number indicates the end of the table is pointing skyward. A positive number indicates the end of the table is pointed towards the floor.
- 39.2. Lumbar Axial Angle – displays the current axial angle. A negative number indicates the table is rotated counter-clockwise. A positive number indicates the table is rotated clockwise.
- 39.3. The back button returns you to the main library screen.
40. The rotational bars extend on either side of the table at the end of the lumbar section. Thumb switches next to each bar release either lateral or axial movement. (Facing the table from the back, the left thumb switch releases movement for lateral flexion angles, the right thumb switch releases movement for axial angles.



User Define Keypad:



41. This Keypad pops up when user can enter information into the software.

- 41.1. Numbers pad – pressing 0 through 9 key loads that number into the Dynamic Text box.
- 41.2. Dynamic Text – display the number pad entry
- 41.3. Minimum Dynamic Text – displays the minimum limit of the parameter being edited.
- 41.4. Maximum Dynamic Text - displays the maximum limit of the parameter being edited.
- 41.5. Current Dynamic Text – is the current saved data.
- 41.6. Cancel – pressing this button cancels the editing process and closes the window. The current Dynamic Text stays the same.
- 41.7. Enter – pressing this button loads the Dynamic Text into memory.
- 41.8. Current Dynamic Text stays the same. If the number entered is out-of-range a message will be displayed indicating Entry too high or Entry too low. Enter a valid number and try again.

Preventative Maintenance:



WARNING: Disconnect table from power source before wiping down mechanical parts to avoid personal injury.

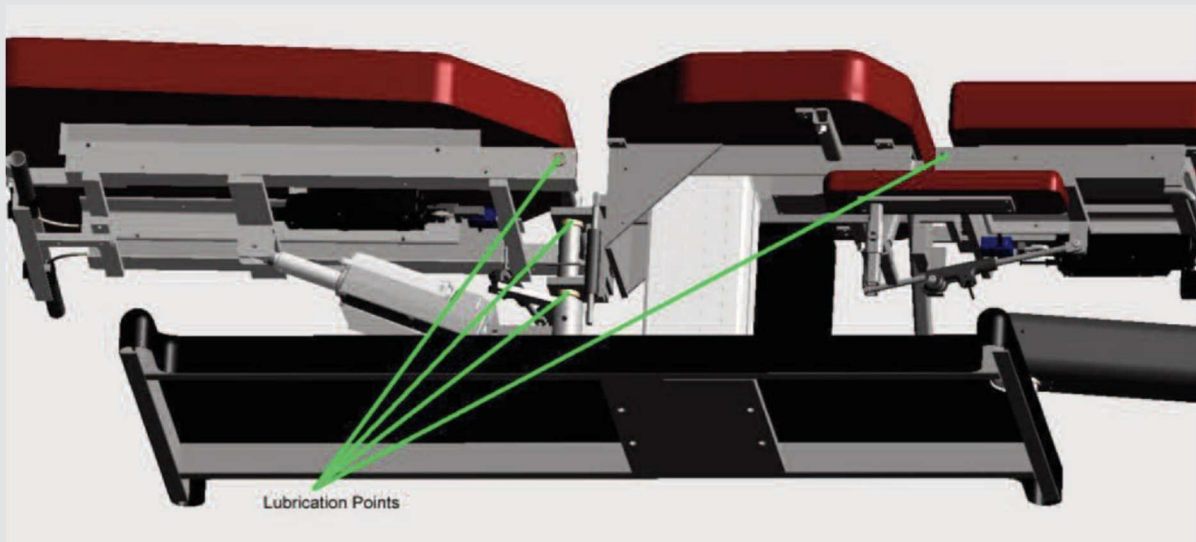
INSPECTION:

At least monthly the table should be thoroughly inspected for wear and tear, loose hardware and parts, and other damage.

- Inspect the table to make sure that there is no external damage or loose hardware. Tighten loose hardware. Hardware that does not tighten needs replacement.
- Inspect table for obvious signs of damage or wear such as cracked welds, loose bolts, frayed or damaged cords. Do not use a table with damage.
- Check moveable components (electrical and non-electrical) to ensure functionality.
- Check components to ensure they lock and function properly.
- **Contact Pivotal Health Solutions with questions or concerns.**

LUBRICATION:

It is recommended that periodic lubrication of moving joints such as flexion points and rotational moving parts be performed using a light machine oil such as 3-in-1 oil. Unplug table before lubricating. Light lubrication is all that is required. Do not over lubricate as it is of no value and will collect dust and dirt. Wipe off any excess lubrication. Lubrication points are indicated in the image below.



Upholstery Cleaning & Care:



CAUTION: Read carefully, improper cleaning will void the warranty. Never use alcohol-based cleaning agents.

NOTE: Upholstery on decompression tables often will not wear as long as on non-moving tables. The constant movement or motion of the table with a patient on the table causes increased wear. Upholstery breakdown occurs at a rate of nearly four to five times faster than that of a non-moving table and upholstery will likely need to be replaced sooner than it may on a stationary table. This is not a flaw in the upholstery, but just the normal increased wear cause by motion and normal use. Replacement cushion assemblies can be purchased in complete sets or individually (new cover, new foam, new board). Always follow the cleaning instructions below.

DISINFECTING: There is a disinfecting wipe on the market called *Protex Ultra Disinfectant Wipes*. Many of our customers use these.

FOR DAY-TO-DAY CLEANING: A solution of 10% mild household liquid dish soap with warm water, applied with soft damp cloth. Rinse with clean water and dry.

FOR STAINS: Dampen a soft white cloth in a one to one (1:1) solution of Fantastik® and water OR Formula 409® and water. Rub gently and rinse with a water dampened cloth.

FOR MORE DIFFICULT STAINS: Dampen a soft white cloth with a solution of household bleach (10% bleach / 90% water). Rub gently and rinse with a water dampened cloth to remove bleach concentration.

WHAT NOT TO USE: Using the wrong cleaning agents you will VOID YOUR WARRANTY and crack, dry out and destroy your vinyl. Do not use any cleaning agents that contain alcohol, harsh chemicals or abrasives.

Service:

When replacing worn parts, use genuine Pivotal Health Solutions, Inc. parts by contacting our service department. When ordering replacement parts:

- Ask for the service department, 800-743-7738
- Have the model number and serial number available
- Specify parts by the numbers/description where known.
- Where warranty service is needed, a Pivotal Health Return Authorization # is required and will be provided.

Troubleshooting:

Problem		
Table does not turn on and the Power indicator is not lit.	Is the power cord undamaged and plugged in?	Plug the power cord into a working 120V 5amp (minimum) Circuit
	Is the key turned to the on position?	Turn the key switch to the on position.
	Check the fuse located on the electrical box.	
	Call Pivotal Health for Service.	
Table does not turn on and the power indicator is on.	The touch screen is equipped with a screensaver to prevent burn in.	Touch the screen in several places to exit the screen saver.
	Call Pivotal Health for Service	
Elevation with optional foot pedals.	Check for damage of cord.	
	Make sure cord is plugged completely in.	
Cervical treatment stopped early.	Was the stop pressed by the patient?	
	Was the stop pressed on the touch panel?	
	Did the decompression' cycle timeout?	Patient slipping in restraint. Re-Adjust the Cervical Restraint so it captures the occiput.
Lumbar treatment stopped early.	Was the stop pressed by the patient?	
	Was the stop pressed on the touch panel?	
	Did the decompression' cycle timeout?	Patient is slipping in the restraint. Review the DOC Restraint system found in the library.
Cervical reading poundage with no patient.	Is the Cervical section level?	If the Cervical section is tilted upward the weight of cervical section will be applied to the load cell.
Lumbar reading poundage with no patient.	Is the Lumbar Section Level?	If the Lumbar section is tilted upward the weight of the lumbar section will be applied to the load cell.
Overload	Has the Thoracic post been removed?	Remove Post
	Is the patient lying still during treatment?	
	Is there an obstruction at the head or foot of the table?	Make sure the foot and head of the table have enough room to move.

Technical Service Information:

Pivotal Health Solutions will make available, upon request, circuit diagrams, component part lists, descriptions, calibration instructions, or other information that will assist service personnel.

Resale or Disposal:

A therapy table is considered a medical device by the Food and Drug Administration. Therefore, it is necessary that Pivotal Health Solutions, Inc. be notified if the table is sold, destroyed, or otherwise disposed of. Please notify in writing providing your name and the serial number of your table to:

Pivotal Health Solutions

Attn: Quality

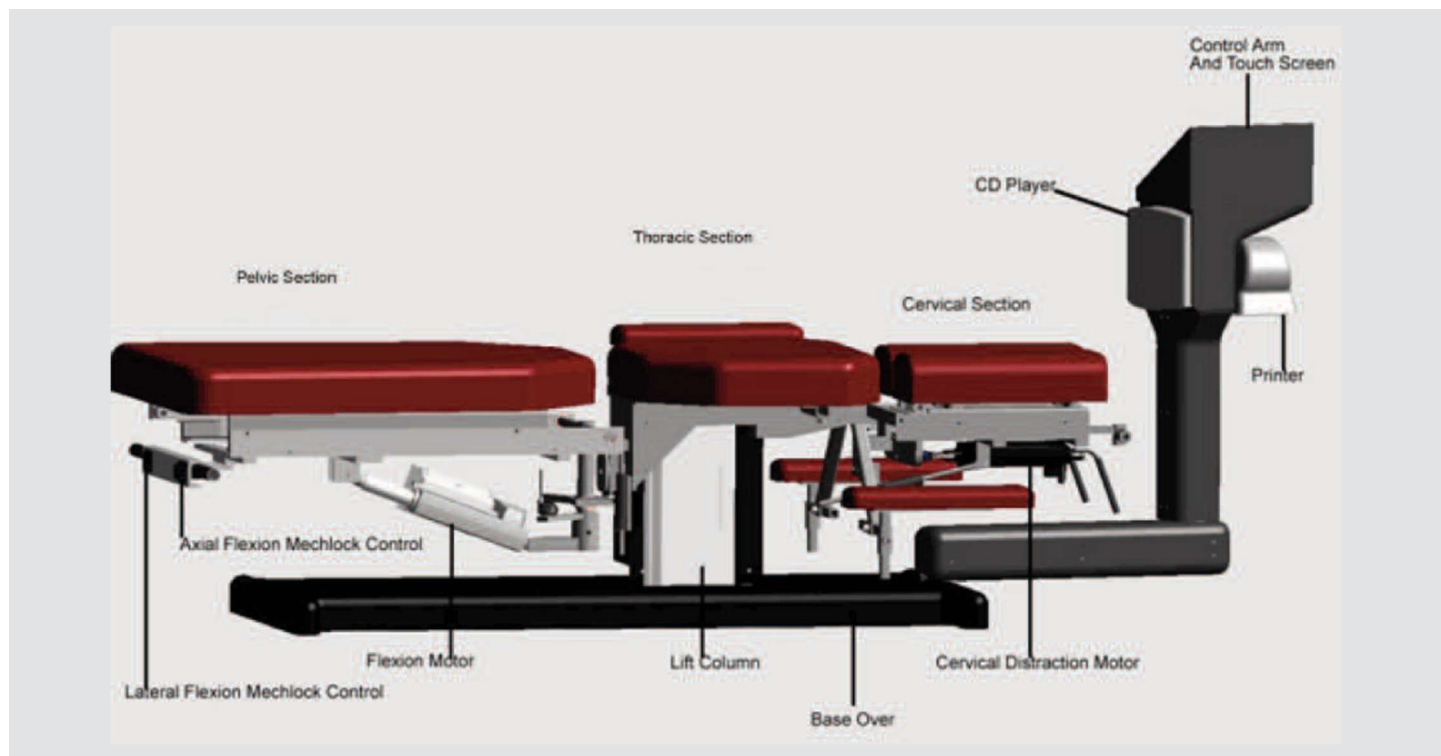
3003 9th Ave. SW

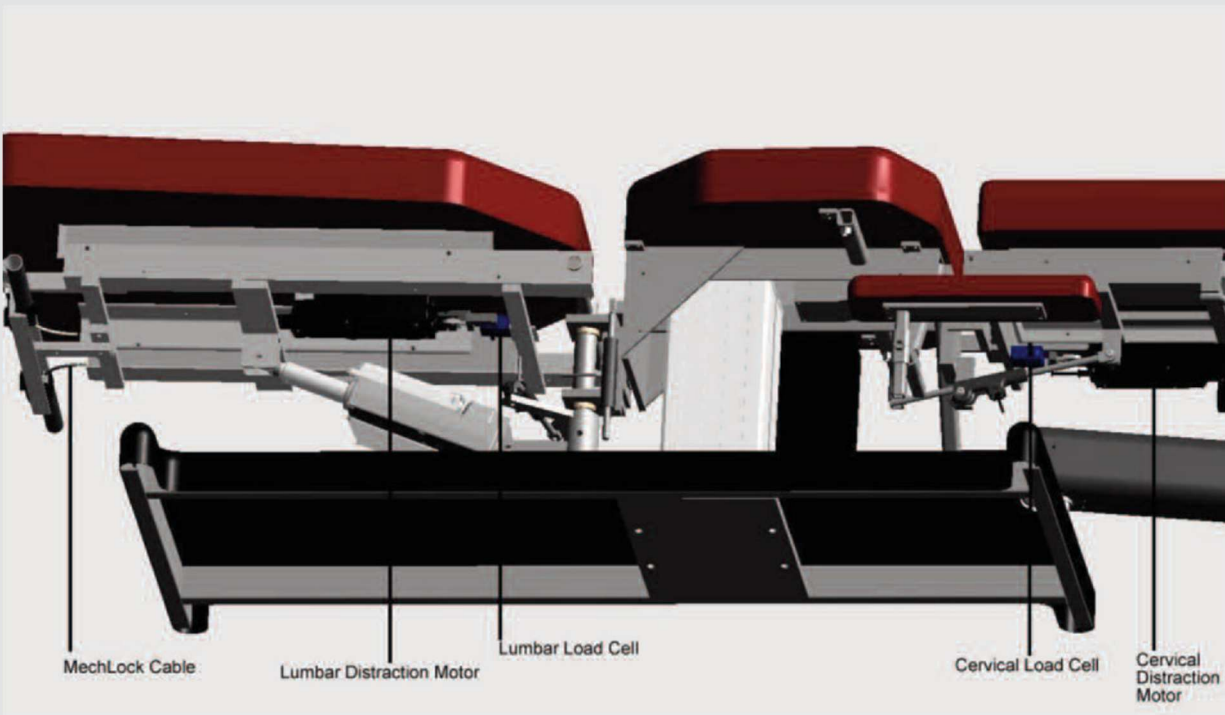
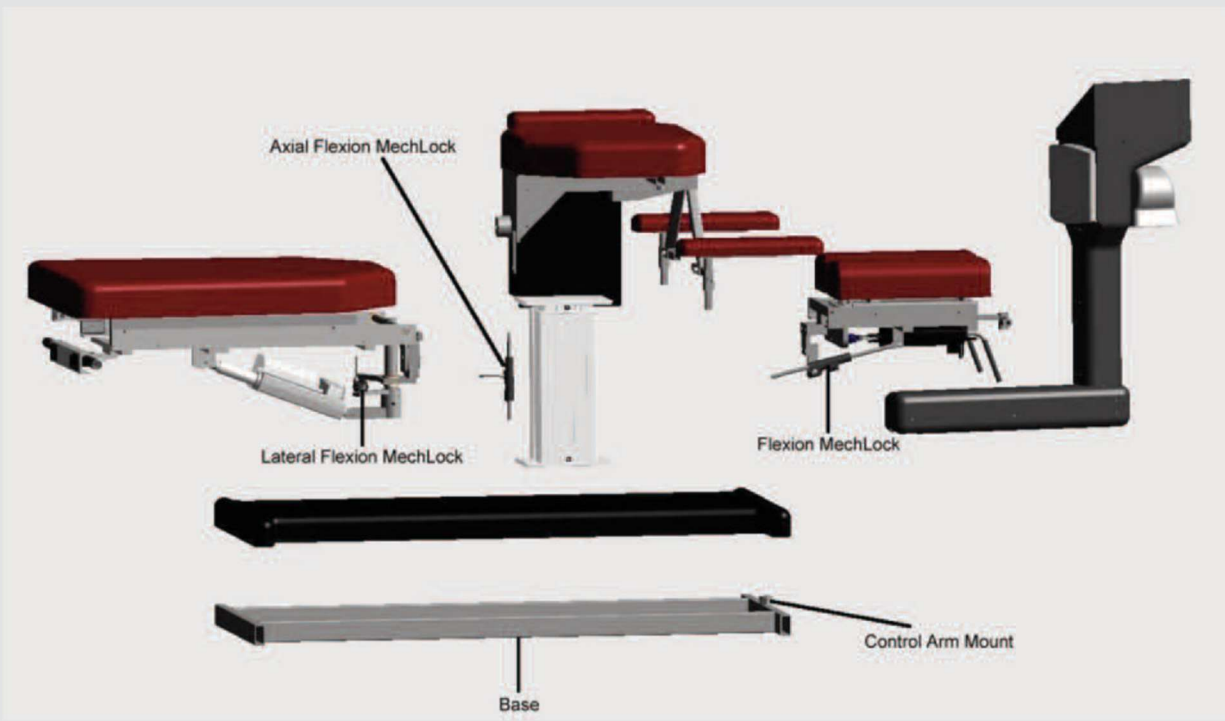
Watertown, SD 57201



Recycle and dispose of device properly in accordance with local, state and federal laws. Over the years, tons of electronics equipment with hazardous materials have been thrown away with standard garbage. Over time, these materials leech out of the electronic causing damage to the environment. It is important to try and properly dispose of retired devices in order to prevent damage to our environment.

Device components:







Replacement Parts:

E7003 Load Cell with Analog Output for DOC table
 E7005 Inclinometer module Dual Analog out
 E7006 Lift Column
 E7007 Single Output Power Supply 5.9A for lift column
 E7027 8CH ANALOG INPUT
 E7028 COLOR TOUCH SCREEN MONITOR
 E7031 RELAY 24VDC 2PDT 5A
 E7032 RELAY SOCKET
 E2007 Switch Keylock SPDT 3A 19MM Lead Free
 E2008 Indicator Light, Neon, 1/2 OD, Raised A
 E2026 Fuse Holder BP/HKP
 E7110 BASE FRAME
 E7120 LOAD CELL ROD END
 E7121 TOUCH SCREEN TOP HALF
 E7122 CONSOLE TOP SWIVEL
 E7123 TOUCH SCREEN HORIZONTAL TUBE
 E7130 CHEST BASE
 E7140 LUMBAR FRAME
 E7141 LUMBAR SLIDE ANGLE

E7143 LUMBAR HANDLE BAR
 E7144 LATERAL PIVOT POINT
 E7145 T-BAR POST
 E7147 PIVOT BEARING CAP
 E7148 LUMBAR PIVOT POINT
 E7160 HEADPIECE MOUNT BRKT
 E7161 LOWER HEAD PIECE FRAME
 E7162 UPPER HEAD PIECE FRAME
 E7163 HEAD PAD PLATE
 E7164 HEAD PAD ADJUSTING ROD
 E1995 Eurolift drive CB9 for Flexion
 E2024 Lift Motor Eurolift LA31 for flexion
 E2013 Rad Motor LA12
 E7064 Mechlock Control 44"
 E2005 Mechlock Control & Cable
 E2004 Mechlock
 E2124 DOC Decal White 6" x 14"
 E7053 POWER SUPPLY 24VDC 1.2AMP
 E2006 Cord 18AWG 3 Cond Hosp gry 10' SJT

E7057 DIN EXTENSION CABLE FOR PLC CONTROL
 E7058 Call Cord, 7Ft. White, Single PATIENT STOP SWITCH
 E7061 CD Player
 E2070 Cervical from Comfort Trax
 E7132 ARM PAD LINKAGE
 E7133 ARM PAD SUPPORT PLATE
 E7010 Head Piece Plastic Cover BLACK
 E7011 Base Plastic Cover BLACK
 E7012 Lumbar Plastic Cover BLACK
 E7013 TOP PLASTIC PIECE BLACK
 E7015 SWING ARM COVER BLACK
 E7009 SIDE PANEL BLACK
 E2126 84 x 40 x 40 Shipping Box
 E2127 Shipping Pallet
 E7054 MICRO PLC
 E2130 DOC Decal White small
 E2015 Serial # Sticker
 E7008 EXCHANGEABLE MOTOR CABLE, JACK PLUG FOR CB8
 E7149 Doc System Thoracic Belt Post
 E7165 Comfort Trax mount post
 E7052 BELLEVILLE Washer
 E7056 24" Slide bearings

E7064 Mechlock Control
 E2074 Stereo Headphones
 E2095 Metal Cam Buckle 2 in clip
 E7100 DOC strapping system
 E7090 24v 3A power supply
 E7091 SLOW DOC LUMBAR LINEAR MOTOR
 E7092 24v speed controller for DOC table
 E7119 LOAD CELL ROD END FOR MOTOR
 E7151 REV. A LUMBAR 8IN. MOTOR-DOC MOUNT
 E7044 1" FOAM GRIP 6PK
 E7043 1/2" FOAM GRIP 2PK
 E7038 BEARING WASHER FOR AXIAL PIVOT
 E7037 NEEDLE ROLLER BEARING FOR AXIAL PIVOT
 E7035 FLANGED SLEEVE BUSHING 3/4" I.D. 1" O.D. 5/8" LG
 E7036 FLANGED SLEEVE BUSHING 3/4" I.D. 7/8" O.D. 1/2" LG
 E7039 SHOULDER BOLT 3/4" X 3"
 E7040 1-1/4" I.D. X 1-1/2" O.D. X 1" LG LATERAL PIVOT BUSHING
 E7041 10mm CLAMP COLLAR FOR MECHLOCK
 E7042 3/4" CLAMP COLLAR
 E7051 BRONZE BUSHING FOR AXIAL PIVOT 2.25 O.D. X 2.0 I.D. X 1 LG.
 E7055 12" slide bearings
 E7063 Touch Screen Cable

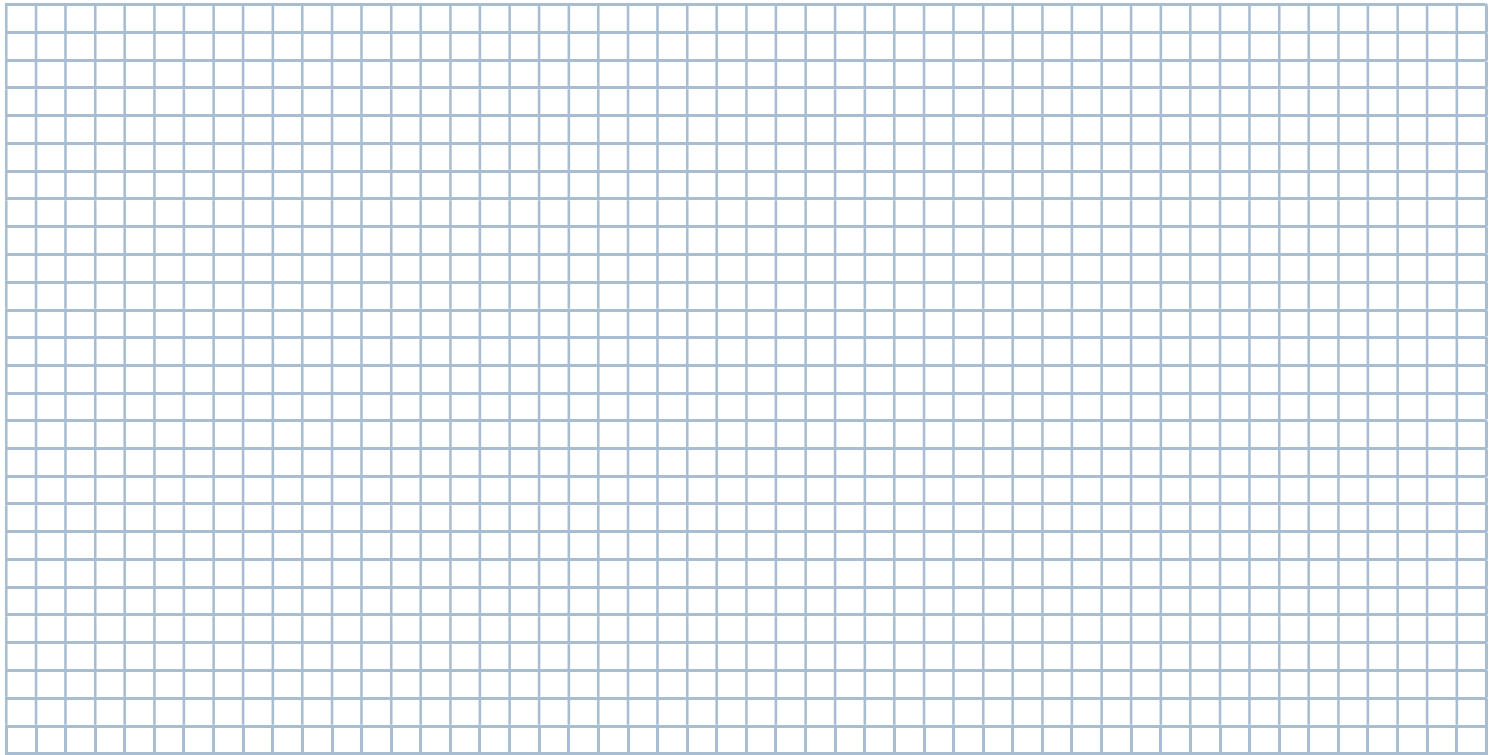
Appendix A – Blanks for Custom Protocol Development:

RAMP UP			RAMP UP		
SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNAL NAME
	Step 1 percent	RPUPRCPEENDSPVALUE1		Step 5 slope	RPUPRCPRAMPSLOPE5
	Step 1 slope	RPUPRCPRAMPSLOPE1		Step 5 hold time	RPUPRCPSOAKDURATION5
	Step 1 hold time	RPUPRCPSOAKDURATION1		Step 6 percent	RPUPRCPEENDSPVALUE6
	Step 2 percent	RPUPRCPEENDSPVALUE2		Step 6 slope	RPUPRCPRAMPSLOPE6
	Step 2 slope	RPUPRCPRAMPSLOPE2		Step 6 hold time	RPUPRCPSOAKDURATION6
	Step 2 hold time	RPUPRCPSOAKDURATION2		Step 7 percent	RPUPRCPEENDSPVALUE7
	Step 3 percent	RPUPRCPEENDSPVALUE3		Step 7 slope	RPUPRCPRAMPSLOPE7
	Step 3 slope	RPUPRCPRAMPSLOPE3		Step 7 hold time	RPUPRCPSOAKDURATION7
	Step 3 hold time	RPUPRCPSOAKDURATION3		Step 8 percent	RPUPRCPEENDSPVALUE8
	Step 4 percent	RPUPRCPEENDSPVALUE4		Step 8 slope	RPUPRCPRAMPSLOPE8
	Step 4 slope	RPUPRCPRAMPSLOPE4		Step 8 hold time	RPUPRCPSOAKDURATION8
	Step 4 hold time	RPUPRCPSOAKDURATION4			

TREATMENT			TREATMENT		
SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNAL NAME
	Step 1 percent	TREATRCPEENDSPVALUE1		Step 5 percent	TREATRCPEENDSPVALUE5
	Step 1 slope T	TREATRCPRAMPSLOPE1		Step 5 slope	TREATRCPRAMPSLOPE5
	Step 1 hold time	TREATRCPSOAKDURATION1		Step 5 hold time	TREATRCPSOAKDURATION5
	Step 2 percent	TREATRCPEENDSPVALUE2		Step 6 percent	TREATRCPEENDSPVALUE6
	Step 2 slope	TREATRCPRAMPSLOPE2		Step 6 slope	TREATRCPRAMPSLOPE6
	Step 2 hold time	TREATRCPSOAKDURATION2		Step 6 hold time	TREATRCPSOAKDURATION6
	Step 3 percent	TREATRCPEENDSPVALUE3		Step 7 percent	TREATRCPEENDSPVALUE7
	Step 3 slope	TREATRCPRAMPSLOPE3		Step 7 slope	TREATRCPRAMPSLOPE7
	Step 3 hold time	TREATRCPSOAKDURATION3		Step 7 hold time	TREATRCPSOAKDURATION7
	Step 4 percent	TREATRCPEENDSPVALUE4		Step 8 percent	TREATRCPEENDSPVALUE8
	Step 4 slope	TREATRCPRAMPSLOPE4		Step 8 slope	TREATRCPRAMPSLOPE8
	Step 4 hold time	TREATRCPSOAKDURATION4		Step 8 hold time	TREATRCPSOAKDURATION8

RAMP DOWN	RAMP DOWN
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SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNAL NAME
	Step 1 percent	RPDNRCP END SP VALUE 1		Step 5 percent	RPDNRCP END SP VALUE 5
	Step 1 slope	RPDNRCP RAMP SLOPE 1		Step 5 slope	RPDNRCP RAMP SLOPE 5
	Step 1 hold time	RPDNRCP SOAK DURATION 1		Step 5 hold time	RPDNRCP SOAK DURATION 5
	Step 2 percent	RPDNRCP END SP VALUE 2		Step 6 percent	RPDNRCP END SP VALUE 6
	Step 2 slope	RPDNRCP RAMP SLOPE 2		Step 6 slope	RPDNRCP RAMP SLOPE 6
	Step 2 hold time	RPDNRCP SOAK DURATION 2		Step 6 hold time	RPDNRCP SOAK DURATION 6
	Step 3 percent	RPDNRCP END SP VALUE 3		Step 7 percent	RPDNRCP END SP VALUE 7
	Step 3 slope	RPDNRCP RAMP SLOPE 3		Step 7 slope	RPDNRCP RAMP SLOPE 7
	Step 3 hold time	RPDNRCP SOAK DURATION 3		Step 7 hold time	RPDNRCP SOAK DURATION 7
	Step 4 percent	RPDNRCP END SP VALUE 4		Step 8 percent	RPDNRCP END SP VALUE 8
	Step 4 slope	RPDNRCP RAMP SLOPE 4		Step 8 slope	RPDNRCP RAMP SLOPE 8
	Step 4 hold time	RPDNRCP SOAK DURATION 4		Step 8 hold time	RPDNRCP SOAK DURATION 8



Default Recipe Values:

RPUPRCP END SP VALUE 1	RPUPRCP RAMP SLOPE 1	RPUPRCP SOAK DURATION 1	RPUPRCP END SP VALUE 2	RPUPRCP RAMP SLOPE 2	RPUPRCP SOAK DURATION 2	RPUPRCP END SP VALUE 7	RPUPRCP RAMP SLOPE 7	RPUPRCP SOAK DURATION 7	RPUPRCP END SP VALUE 8	RPUPRCP RAMP SLOPE 8	RPUPRCP SOAK DURATION 8
'Legacy #1	20	200	10	40	200	10	'Legacy #1	0	0	0	0
'Legacy #2	14	200	5	28	200	5	'Legacy #2	0	0	0	0
'Legacy #3	20	200	10	40	200	10	'Legacy #3	0	0	0	0
'Legacy #4	14	200	5	28	200	5	'Legacy #4	0	0	0	0
'Legacy #5	20	200	10	10	200	5	'Legacy #5	80	200	10	40
'Legacy #6	20	200	5	10	200	2	'Legacy #6	80	200	5	40
'Custom #7	20	100	0	10	100	0	'Custom #7	80	100	0	40
RPUPRCP END SP VALUE 3	RPUPRCP RAMP SLOPE 3	RPUPRCP SOAK DURATION 3	RPUPRCP END SP VALUE 4	RPUPRCP RAMP SLOPE 4	RPUPRCP SOAK DURATION 4	TREATRCP END SP VALUE 1	TREATRCP RAMP SLOPE 1	TREATRCP SOAK DURATION 1	TREATRCP END SP VALUE 2	TREATRCP RAMP SLOPE 2	TREATRCP SOAK DURATION 2
'Legacy #1	60	200	10	80	200	10	'Legacy #1	100	200	10	50
'Legacy #2	42	200	5	56	200	5	'Legacy #2	100	200	5	50
'Legacy #3	60	200	10	80	200	10	'Legacy #3	100	200	5	0
'Legacy #4	42	200	5	56	200	5	'Legacy #4	100	200	5	0
'Legacy #5	40	200	10	20	200	5	'Legacy #5	100	200	10	50
'Legacy #6	40	200	5	20	200	2	'Legacy #6	100	200	5	50
'Custom #7	40	100	0	20	100	0	'Custom #7	100	100	0	50
RPUPRCP END SP VALUE 5	RPUPRCP RAMP SLOPE 5	RPUPRCP SOAK DURATION 5	RPUPRCP END SP VALUE 6	RPUPRCP RAMP SLOPE 6	RPUPRCP SOAK DURATION 6	TREATRCP END SP VALUE 3	TREATRCP RAMP SLOPE 3	TREATRCP SOAK DURATION 3	TREATRCP END SP VALUE 4	TREATRCP RAMP SLOPE 4	TREATRCP SOAK DURATION 4
'Legacy #1	0	0	0	0	0	'Legacy #1	0	0	0	0	0
'Legacy #2	70	200	5	85	200	5	'Legacy #2	0	0	0	0
'Legacy #3	0	0	0	0	0	'Legacy #3	0	0	0	0	0
'Legacy #4	70	200	5	85	200	5	'Legacy #4	0	0	0	0
'Legacy #5	60	200	10	30	200	5	'Legacy #5	0	0	0	0
'Legacy #6	60	200	5	30	200	2	'Legacy #6	0	0	0	0
'Custom #7	60	100	0	30	100	0	'Custom #7	0	0	0	0

TREATRCP END SP VALUE 5	TREATRCP RAMP SLOPE 5	TREATRCP SOAK DURATION 5	TREATRCP END SP VALUE 6	TREATRCP RAMP SLOPE 6	TREATRCP SOAK DURATION 6	'Legacy #4	56	200	5	42	200	5
'Legacy #1	0	0	0	0	0	'Legacy #5	60	200	10	20	200	5
'Legacy #2	0	0	0	0	0	'Legacy #6	60	200	5	20	200	2
'Legacy #3	0	0	0	0	0	'Custom #7	60	100	0	20	100	0
'Legacy #4	0	0	0	0	0							
'Legacy #5	0	0	0	0	0							
'Legacy #6	0	0	0	0	0							
'Custom #7	0	0	0	0	0							
TREATRCP END SP VALUE 7	TREATRCP RAMP SLOPE 7	TREATRCP SOAK DURATION 7	TREATRCP END SP VALUE 8	TREATRCP RAMP SLOPE 8	TREATRCP SOAK DURATION 8	RPDNRCP END SP VALUE 5	RPDNRCP RAMP SLOPE 5	RPDNRCP SOAK DURATION 5	RPDNRCP END SP VALUE 6	RPDNRCP RAMP SLOPE 6	RPDNRCP SOAK DURATION 6	
'Legacy #1	0	0	0	0	0	'Legacy #1	20	200	10	0	0	
'Legacy #2	0	0	0	0	0	'Legacy #2	42	200	5	28	200	
'Legacy #3	0	0	0	0	0	'Legacy #3	0	0	0	0	0	
'Legacy #4	0	0	0	0	0	'Legacy #4	28	200	5	14	200	
'Legacy #5	0	0	0	0	0	'Legacy #5	40	200	10	10	200	
'Legacy #6	0	0	0	0	0	'Legacy #6	40	200	5	10	200	
'Custom #7	0	0	0	0	0	'Custom #7	40	100	0	10	100	
RPDNRCP END SP VALUE 1	RPDNRCP RAMP SLOPE 1	RPDNRCP SOAK DURATION 1	RPDNRCP END SP VALUE 2	RPDNRCP RAMP SLOPE 2	RPDNRCP SOAK DURATION 2	RPDNRCP END SP VALUE 7	RPDNRCP RAMP SLOPE 7	RPDNRCP SOAK DURATION 7	RPDNRCP END SP VALUE 8	RPDNRCP RAMP SLOPE 8	RPDNRCP SOAK DURATION 8	
'Legacy #1	100	200	10	80	200	'Legacy #1	0	0	0	0	0	
'Legacy #2	100	200	5	85	200	'Legacy #2	14	200	5	0	0	
'Legacy #3	80	200	10	60	200	'Legacy #3	0	0	0	0	0	
'Legacy #4	85	200	5	70	200	'Legacy #4	0	0	0	0	0	
'Legacy #5	80	200	10	30	200	'Legacy #5	20	200	10	10	200	
'Legacy #6	80	200	5	30	200	'Legacy #6	20	200	5	10	200	
'Custom #7	80	100	0	30	100	'Custom #7	20	100	0	10	100	
CERVICAL PATTERN NUMBER						RCP TREATMENT NAME						
'Legacy #1	1					'Legacy #1						
'Legacy #2	2					'Legacy #2						
'Legacy #3	3					'Legacy #3						
'Legacy #4	4					'Legacy #4						
'Legacy #5	5					'Legacy #5						
'Legacy #6	6					'Legacy #6						
'Custom #7	7					'Custom #7						

Warranty:

<http://www.phschiropractic.com/customer-service/warranty.aspx>

Note to user: If a serious incident occurs, report the incident to Pivotal Health solutions. (See section with Manufacturer Contact Information for contact details). If the incident occurs in the EU, also report any serious incident to the Competent Authority of the Member State in which the user and/or patient is established.

Manufacturer Information:

Rev F 8/10/2026



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