

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.

<u>^</u>	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.
<u>/</u>	Warning: High Voltage
T	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	Type B Applied Part
a(-)	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. <u>KEEP CHILDREN AWAY FROM TREATMENT AREA</u>. 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.
- Train all employees. This table should be used only by qualified, trained personnel.



- 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 al 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 in 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 swtich, 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. Lumar 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 Am	os
Fuse Type	5 Amps	AGC
Lifting Capacity	350 lbs (1	58 kg)
Load Limit of Pelvic Cushion	150 lbs (6	58 kg)
Duty Cycle	1 Minutes On, 19	Minutes Off
Electrical Classification	Class	I
Electrical Type	Туре	в
IP Rating	IPxC)
Elevation range	21-29)"
Table width	30" max (cushions- 17" cervica	l, 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 i	n the presence of flammable mixt	cures.



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):

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e electromagnetic er	vironment specified	I below. The customer or the user	r of the DOC Table should assure that it is used in such an environment.
Compliance	e Elec	tromagnetic environment - guida	ance
Group 1	The are	DOC Table uses RF energy only for not likely to cause any interference	or its internal function. therefore, its RF emissions are very low and ce in nearby electronic equipment.
Class A	The esta buil	DOC Table is suitable for use in ablishments and those directly co dings used for domestic purposes	all establishments other than domestic, and may be used in domestic onnected to the public low-voltage power supply network that supplies s
ClassA			
Complies			
aration – electroma	gnetic immunity		
e electromagnetic en	vironment specified	below. The customer or the user	r of the DOC Table should assure that it is used in such an environment.
IEC 60601 te	est level	Compliance Level	Electromagnetic environment - guidance
)-4-2 8kV contac	t±15kVair	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%.
00-4-4 ±2kV 100 Ki	-tz PRF	±2 kV 100 KHz PRF	Mains power quality should be that of a typical commercial or hospital environment.
± 0.5, 1 kV lin ± 0.5, 1, 2 kV l	e(s) to line(s) ine(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.
oltage 100% drop, (90, 135, 180 315°; 100% dip, 1 30% dip, 25/	0.5 periods, 0, 45, , 225, 270, and period	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
field 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.
			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
3V with 6V	ISM	3 V with 6V ISM	d = 1.17 P
3V/m80MH	Hzto2,5GHz	3 V/m	d=1.17 P 80 MHz to 800 MHz
			d=2.33 P800 MHz to 2,5 GHz
			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:
	e electromagnetic er Compliance Group 1 Class A Class A Class A Complies aration – electroma e electromagnetic er IEC 60601 te 0-4-2 8 kV contac 0-4-4 ± 2 kV 100 kJ ± 0.5,1 kV lin ± 0.5,1 kV lin ± 0.5,1 kV lin ± 0.5,1 kV lin 100% drop, C 90, 135, 180 315°; 100% dip, 25/ field 30 A/m 3V with 6V 3V/m 80 MH	e electromagnetic environment specified Compliance Elec Group 1 The are Class A The esta buil Class A Complies aration – electromagnetic immunity e electromagnetic environment specified IEC 60601 test level 0-4-2 8 kV contact ±15 kV air 1EC 60601 test level 0-4-2 8 kV contact ±15 kV air 1EC 60601 test level 0-4-4 ±2 kV 100 KHz PRF ± 0.5, 1, kV line(s) to line(s) ± 0.5, 1, 2 kV line(s) to earth 100% dip, 0.5 periods, 0, 45, 90, 135, 180, 225, 270, and 315°; 100% dip, 1 period 30% dip, 25/30 periods field 30 A/m 3V with 6V ISM 3V/m 80 MHz to 2,5 GHz	e electromagnetic environment specified below. The customer or the use Compliance Electromagnetic environment - guid Group 1 The DOC Table uses RF energy only fn are not likely to cause any interferen Class A The DOC Table is suitable for use in establishments and those directly co buildings used for domestic purpose Class A Complies Electromagnetic environment specified below. The customer or the use IEC 60601 test level Compliance Level 0-4-2 8 kV contact ±15 kV air 8 kV contact 15 kV air ± 05,1 kV line(s) to line(s) ± 05,1 kV line(s) to line(s) ± 05,1 kV line(s) to line(s) ± 05,1 kV line(s) to earth 100% drop. 0.5 periods. 0, 45, 90, 135, 180, 225, 270, and 315°; 100% dip, 1 period 30% dip, 25/30 periods field 30 A/m 30 A/m 3V with 6V ISM 3V with 6V ISM 3V/m 80 MHz to 2,5 GHz 3V/m 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 Tableshould 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	Separation distance according to frequency of transmitter							
power of transmitter w	150 kHz to 80 MHz d = 1.17√ 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 quency of the transmitter, where P is	n output power not listed above, the recommended s the maximum output power rating of the transmit	d separation distance d in metres (m) can be estimat ter in watts (W) according to the transmitter manufa	ed using the equation applicable to the fre- cturer.					
NOTE 1 At 80 MHz and 800 MHz, the	e separation distance for the higher frequency rans	ge applies.						
NOTE 2 These guidelines may not ap	ply in all situations. Electromagnetic propagation is	s affected by absorption and reflection from structur	es, 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.

Legacy#1	?	Pattern K1	?	E Rec	dit ines	
Legacy#2	?	Pattern K2	?			
Legacy#3	?	Pattern K3	?			
Legacy#4	?	Pattern K4 ?		M	un	
Legacy #5	?	Pattern K5	?	ME	ENU	
Legacy #6	?	CONFIRM		FIRM		
Custom #7	?	CERVICAL	LUMBAR TREATMENT			

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 snuggly 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.



- 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 an 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.





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: Slope = (Finish pounds Start pounds) / Time * 100



31.4.3. Examples for value to enter for Slope:

Ramp 0 – 50 pounds over 30 seconds (50-0) / 30 * 100 = 160 Slope Rampe 30 – 60 pounds over 30 seconds (60-30) / 30 * 100 = 100 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	o Up		Treat	ment		Ram	o Down*	
Step 1	Target %	30%	Step 1	Target %	60%	Step 1	Target %	60%
	Ramp/Slope	0 to 30% over 30 sec		Ramp/Slope	30 to 60% over 30 sec		Ramp/Slope	30 to 60% over 30 sec
		(30-0)/30*100=100			(60-30)/30*100= 100			(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		Ramp/Slope	60 to 100% over 30 sec		Ramp/Slope	60 to 30% over 30 sec
		(60-30)/30*100= 100			(100-60)/30*100= <mark>80</mark>			(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		Ramp/Slope	100 to 60% over 50 sec		Ramp/Slope	30 to 0% over 30 sec
		(30-60)/30*100=100			(60-100)/50*100= <mark>80</mark>			(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	Step 5		All zeroes
Step 6		All zeroes			(30-60)/30*100= 100	Step 6		All zeroes
Step 7		All zeroes		Hold	30 sec = 0.5 min= 5	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	RPUPRCP END SP VALUE 1	0	Step 5 percent	RPUPRCP END SP VALUE 5
100	Step 1 slope	RPUPRCP RAMP SLOPE 1	0	Step 5 slope	RPUPRCP RAMP SLOPE 5
5	Step 1 hold time	RPUPRCP SOAK DURATION 1	0	Step 5 hold time	RPUPRCP SOAK DURATION 5
60	Step 2 percent	RPUPRCP END SP VALUE 2	0	Step 6 percent	RPUPRCP END SP VALUE 6
100	Step 2 slope	RPUPRCP RAMP SLOPE 2	0	Step 6 slope	RPUPRCP RAMP SLOPE 6
5	Step 2 hold time	RPUPRCP SOAK DURATION 2	0	Step 6 hold time	RPUPRCP SOAK DURATION 6
30	Step 3 percent	RPUPRCP END SP VALUE 3	0	Step 7 percent	RPUPRCP END SP VALUE 7
100	Step 3 slope	RPUPRCP RAMP SLOPE 3	0	Step 7 slope	RPUPRCP RAMP SLOPE 7
5	Step 3 hold time	RPUPRCP SOAK DURATION 3	0	Step 7 hold time	RPUPRCP SOAK DURATION 7
0	Step 4 percent	RPUPRCP END SP VALUE 4	0	Step 8 percent	RPUPRCP END SP VALUE 8
0	Step 4 slope	RPUPRCP RAMP SLOPE 4	0	Step 8 slope	RPUPRCP RAMP SLOPE 8
0	Step 4 hold time	RPUPRCP SOAK DURATION 4	0	Step 8 hold time	RPUPRCP SOAK DURATION 8

	TREATMENT		TREATME	NT	
SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNAL NAME
60	Step 1 percent	TREATRCP END SP VALUE 1	0	Step 5 percent	TREATRCP END SP VALUE 5
100	Step 1 slope	TREATRCP RAMP SLOPE 1	0	Step 5 slope	TREATRCP RAMP SLOPE 5
3	Step 1 hold time	TREATRCPSOAK DURATION 1	0	Step 5 hold time	TREATRCPSOAK DURATION 5
100	Step 2 percent	TREATRCP END SP VALUE 2	0	Step 6 percent	TREATRCP END SP VALUE 6
80	Step 2 slope	TREATRCP RAMP SLOPE 2	0	Step 6 slope	TREATRCP RAMP SLOPE 6
5	Step 2 hold time	TREATRCPSOAK DURATION 2	0	Step 6 hold time T	REATRCP SOAK DURATION 6
60	Step 3 percent	TREATRCP END SP VALUE 3	0	Step 7 percent	TREATRCP END SP VALUE 7
80	Step 3 slope	TREATRCP RAMP SLOPE 3	0	Step7slope	TREATRCP RAMP SLOPE 7
3	Step 3 hold time	TREATRCP SOAK DURATION 3	0	Step 7 hold time	TREATRCPSOAK DURATION 7
30	Step 4 percent	TREATRCP END SP VALUE 4	0	Step 8 percent	TREATRCP END SP VALUE 8
100	Step 4 slope	TREATRCP RAMP SLOPE 4	0	Step 8 slope	TREATRCP RAMP SLOPE 8
5	Step 4 hold time	TREATRCPSOAK DURATION4	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 5hold 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 6hold 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	Step7slope	RPDNRCP RAMP SLOPE 7
0	Step 3 hold time	RPDNRCP SOAK DURATION 3	0	Step 7hold time	RPDNRCP SOAK DURATION 7
0	Step 4 percent	RPDNRCP END SP VALUE 4	0	Step 8 percent	RPDNRCP END SP VALUE 8
0	Step4slope	RPDNRCP RAMP SLOPE 4	0	Step 8 slope	RPDNRCP RAMP SLOPE 8
0	Step 4 hold time	RPDNRCP SOAK DURATION 4	0	Step 8hold 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.

Auton	natio	c Decompres	sion	Screen		Viewi	ng recipe setup.			Edi	ting Reci	pe Setup	
Lananutt	2	Dettern 1/1	1.	Edit	1		RPUPRCP END SE	VALUE 1		2	RPU	JPRCP END SF	VALUE 1
Legaly#1		Fauerniki		Recipes	1	Legacy#1		20	1	Legacy #1			20
Legacy#2	?	Pattern K2	?		2	Legacy#2		14	2	Legacy#2			14
					3	Legacy#3		20	3	Legacy#3			20
Legacy #3	?	Pattern K3	?		4	Legacy#4		14	-4	Legacy#4			14
				· · · · · · · · · · · · · · · · · · ·	5	Legacy #5		20	5	Legacy#5			20
Legacy#4	?	Pattern K4	?	MAIN	6	Legacy #6		20	6	Legacy#6			20
Legary#5	2	Pattern K5	2	MENU	7	Custom #1		20	7	Custom #1			20
Logacy #0		T duoini rio	1.000		8	Q Q			8	QQ		· \^/	
Legacy#6	?	CONFIRM	CON	FIRM	9	Load	Edit	X	<u>9</u> 10	Load	Edit	**	\times
Custom #7	?	CERVICAL TREATMENT	TREAT	BAR MENT	C	lose 20		a •	Cl	ose 20			



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.



OTADI	2	P	attern K1	
CERVIC	AL	Pounds?	Slope?	Hold?
STIMATED	TREATMENT	Pre-Tension	Pre-Tension	Pre-Tension
CYCLE	CYCLES	0	0	0.0
TIME	0	Max	Max	Max
0.0	0	0	0	0.0
FLEXION	CURRENT	Min	Min	Min
ANGLE	CERVICAL	0	0	0.0
35.7	-5		Ramp Down	
			0	
ELEVATIO	N MAIN MENU			

Pattern K1 Setup Screen

Gradient Lbs& Hold	Max Lbs & Hold	PATTE	RN K2
Pre-Tension Lbs & Hold Frank Stop	Min Lbs & Ho ant Slope	ld Many Stope	Ramp
Items that may b Pre-tension Lb Gradient Lbs, H Maximum Lbs, Minimum Lbs, Ramp Down SI Program betwee	ie set are; s, Hold Time, Iold Time, an Hold Time, ar Hold Time, ar ope n green dashi	and Slope d Slope nd Slope nd Slope ed lings is	BACK



START ?		P	Pattern K2		
		Pounds?	Slope?	Hold?	
STIMATED T	REATMENT	Pre-Tension	Pre-Tension	Pre-Tension	
CYCLE	CYCLES	0	0	0.0	
TIME	0	Gradient	Gradient	Gradient	
0.0	U	0	0	0.0	
FLEXION	CURRENT	Max	Max	Max	
ANGLE	POUNDS	0	0	0.0	
35.7	-5	Min	Min	Min	
		0	0	0.0	
ELEVATION	MAIN	1	Ramp Down		
Design Mile	MENU		0		

Pattern K3 Setup Screen

OTADT	2	P	attern K3	
CERVICA	L .	Pounds?	Slope?	Hold?
STIMATED	DEATMENT	Pre-Tension	Pre-Tension	Pre-Tension
CYCLE	CYCLES	0	0	0.0
TIME	0	Max	Max	Max
0.0	0	0	0	0.0
FLEXION	CURRENT	Gradient	Gradient	Gradient
ANGLE	CERVICAL	0	0	0.0
35.7	-5	Min	Min	Min
		0	0	0.0
ELEVATION	MAIN		Ramp Down	10
	MENU		0	



re-Tension bs & Hold 60% Pre Ter	70% 80%		No of Kax Pa	Lbs & Haid P Ramp	Pre-Tensio Lbs & Hold	Max Lbs		Min Lbs	Ramo Boye
ems that r Pre-tensio Maximum Minimum Ramp Do' teps are in 00% of Ma rogram be speated, a	may be set on Lbs, Hold I Lbs, Hold Lbs, Hold Lbs, Hold wn Slope ncreased fr ix Lbs, in 10 etween gree and is set by	are: d Time, ar Time, and Time, and orn 60% of 0% increm en dashed v Treatmen	nd Slope I Slope Slope Max Lbs t ents, lines is nt Cycles	0 BACK	Items that i Pre-tensi Maximun Ramp Do Hold time i Program bi repeated, a	may be set on Lbs, and 3 Lbs, and 3 Lbs, and 5 wn Slope s 0 sec for etween gree and is set b	are; d Time, ar Slope Slope treatment, en dashed y Treatme	nd Slope lines is nt Cycles	BACK
STADT	Pattern	K4 Setu	p Screen Pattern K4		START	Pattern	K5 Setu	p Screen Pattern K5	
START	Pattern ?	K4 Setu Pounds?	p Screen Pattern K4 Slope?	Hold?	START	Pattern ?	K5 Setu Pounds?	p Screen Pattern K5 Slope?	Hold?
START	Pattern 2 AL TREATMENT	K4 Setu Pounds?	p Screen attern K4 Slope? n Pre-Tension	Hold?	START	Pattern ?	K5 Setu Pounds?	p Screen Pattern K5 Slope?	Hold?
START ERVICA	Pattern ? AL TREATMENT CYCLES	K4 Setu Pounds? Pre-Tension 0	p Screen Pattern K4 Slope? Pre-Tension 0	Hold? Pre-Tension 0.0	START CERVIC/ ESTIMATED CYCLE TIME	Pattern ? AL TREATMENT CYCLES	K5 Setu Pounds? Pre-Tension 0	p Screen Sten K5 Slope? Pre-Tension O Max	Hold? Pre-Tension 0.0
START ERVICA	Pattern ? AL TREATMENT CYCLES O	K4 Setu Pounds? Pre-Tension 0 Max	attern K4 Slope? <u>Pre-Tension</u> <u>Max</u>	Hold? Pre-Tension 0.0 Max	START CERVICA ESTIMATED CYCLE TIME 0.0	Pattern ? AL TREATMENT CYCLES	K5 Setu Pounds? Pre-Tension 0 Max 0	p Screen Pattern KS Slope? Pre-Tension O Max O	Hold? Pre-Tension 0.0
START ERVICA	Pattern 2 AL TREATMENT CYCLES 0	K4 Setu Pounds? Pre-Tension 0 Max 0	p Screen attem K4 Slope? D Pre-Tension 0 Max 0	Hold? Pre-Tension 0.0 Max 0.0	START CERVIC ESTIMATED CYCLE TIME 0.0	Pattern ? AL TREATMENT CYCLES O	K5 Setu Pounds? Pie-Tension 0 Max 0 Min	p Screen Pattern K5 Slope? D Pre-Tension O Max O Min	Hold? Pre-Tension 0.0
START ERVICA MIMATED CYCLE TIME 0.0	Pattern AL TREATMENT CYCLES O CURRENT CERVICAL	K4 Setu Pounds? Pre-Tension 0 Max 0 Min	p Screen Pattern K4 Slope? n Pre-Tension 0 Max 0 Min	Hold? Pre-Tension 0.0 Max 0.0 Min	START CERVIC ESTIMATED CYCLE TIME 0.0 FLEXION ANGLE	Pattern ? AL TREATMENT CYCLES O CURRENT CERVICAL	K5 Setu Pounds? Pie-Tension Max 0 Min 0	P Screen Pattern KS Slope? Pre-Tension Max O Min O	Hold? Pre-Tension 0.0
START ERVICA TIMATED DYCLE TIME 0.0 LEXION NOLE	Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Pattern Cycles O Current Cervical Pounds	K4 Setu Pounds? Pre-Tension 0 Max 0 Min 0	D Screen Pattern K4 Slope? n Pre-Tension 0 Max 0 Min 0	Hold? Pre-Tension 0.0 Max 0.0 Min 0.0	START CERVIC ESTIMATED CYCLE TIME 0.0 FLEXION ANGLE 35.7	TREATMENT CYCLES O CURRENT CERVICAL POUNDS	K5 Setu Pounds? Pre-Tension Max 0 Min 0	p Screen attern ics Slope? Pre-Tension 0 Max 0 Min 0 Ramp Down	Hold? Pre-Tension 0.0
START ERVICA TIMATED CYCLE TIME 0.0 LEXION ANGLE 35.7	Pattern Pat	K4 Setu Pounds? Pre-Tension 0 Max 0 Min 0	D Screen Pattern K4 Slope? Pre-Tension 0 Max 0 Min 0 Ramp Down	Hold? Pre-Tension 0.0 Max 0.0 Min 0.0	START CERVIC. ESTIMATED CYCLE TIME 0.0 FLEXION ANGLE .35.7	TREATMENT CYCLES O CURRENT CERVICAL POUNDS -5	K5 Setu Pounds? Pie-Tension 0 Max 0 Min 0	p Screen attern KS Slope? Pre-Tension 0 Max 0 Min 0 Ramp Down 0	Hold? Pre-Tension 0.0

- 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.



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



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



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- 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.



- 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. 毫** 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.
Х7	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

YO	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:

TABLE MAX HEIGHT		1	L1-L2	STOP
LIFT	LUN	IBAR	L2-L3	
TABLE	-LE	JP	L3-L4	BEGIN
LOWER	LUM		L4-L5	SETUP
TABLE	DO	WN	L5-81	
CERVICAL FLEXION ANGLE	LUMBAR AXIAL ANGLE	LUMBAR FLEXION ANGLE	FLAT	
-35.7	-35.7	-35.7		MAIN MENU

- 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	eshooting:	Trouble
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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 is 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 E7143 LUMBAR HANDLE BAR E7005 Inclinometer module Dual Analog out E7144 LATERAL PIVOT POINT E7006 Lift Column E7145 **T-BAR POST** E7007 Single Output Power Supply 5.9A for lift column E7147 PIVOT BEARING CAP E7027 8CHANALOG INPUT E7148 LUMBAR PIVOT POINT **COLOR TOUCH SCREEN MONITOR** E7028 E7160 **HEADPIECE MOUNT BRKT** E7031 RELAY 24VDC 2PDT 5A E7161 LOWER HEAD PIECE FRAME E7032 RELAY SOCKET E7162 UPPER HEAD PIECE FRAME E2007 HEAD PAD PLATE Switch Keylock SPDT 3A 19MM Lead Free E7163 E2008 E7164 HEAD PAD ADJUSTING ROD Indicator Light, Neon, 1/2 OD, Raised A E2026 Fuse Holder BP/HKP E1995 Eurolift drive CB9 for Flexion E7110 BASE FRAME E2024 Lift Motor Eurolift LA31 for flexion E7120 LOAD CELL ROD END E2013 Rad Motor LA12 E7121 TOUCH SCREEN TOP HALF E7064 Mechlock Control 44" E7122 CONSOLETTE TOP SWIVEL E2005 Mechlock Control & Cable E7123 TOUCH SCREEN HORIZONTAL TUBE E2004 Mechlock CHEST BASE E7130 E2124 DOC Decal White 6" x 14"
- LUMBAR FRAME E7140
- E7141 LUMBAR SLIDE ANGLE

E7053 POWER SUPPLY 24VDC 1.2AMP E2006 Cord 18AWG 3 Cond Hosp gry 10' SJT

E7057	DIN EXTENSION CABLE FOR PLC CONTROL	E7
E7058	Call Cord, 7Ft. White, Single PATIENT STOP SWITCH	E2
E7061	CDPlayer	E2
E2070	Cervical from Comfort Trax	E7
E7132	ARM PAD LINKAGE	E7
E7133	ARM PAD SUPPORT PLATE	E7
E7010	Head Piece Plastic Cover BLACK	E7
E7011	Base Plastic Cover BLACK	E7
E7012	Lumbar Plastic Cover BLACK	E7
E7013	TOP PLASTIC PIECE BLACK	E7
E7015	SWING ARM COVER BLACK	E7
E7009	SIDEPANEL BLACK	E7
E2126	84 x 40 x 40 Shipping Box	E7
E2127	ShippingPallet	E7
E7054	MICROPLC	E7
E2130	DOC Decal White small	E7
E2015	Serial # Sticker	E7
E7008	EXCHANGEABLE MOTOR CABLE, JACK PLUG FOR CB8	E7
E7149	Doc System Thoracic Belt Post	E7
E7165	Comfort Trax mount post	E7
E7052	BELLEVILLE Washer	E7
E7056	24" Slide bearings	E7
		1

E7064	Mechlock Control
E2074	Stereo Headphones
E2095	MetalCam Buckle2iniclip
E7100	DOC strappingsystem
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.X1-1/2"O.D.X1"LGLATERALPIVOTBUSHING
E7041	10mm CLAMP COLLAR FOR MECHLOK
E7042	3/4"CLAMPCOLLAR
E7051	${\tt BRONZEBUSHINGFORAXIALPIVOT2.250.D.X2.0I.D.X1LG}.$
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	RPUPRCP END SP VALUE 1		Step 5 slope	RPUPRCP RAMP SLOPE 5		
	Step 1 slope	RPUPRCP RAMP SLOPE 1		Step 5 hold time	RPUPRCP SOAK DURATION 5		
	Step 1 hold time	RPUPRCP SOAK DURATION 1		Step 6 percent	RPUPRCP END SP VALUE 6		
	Step 2 percent	RPUPRCP END SP VALUE 2		Step 6 slope	RPUPRCP RAMP SLOPE 6		
	Step 2 slope	RPUPRCP RAMP SLOPE 2		Step 6 hold time	RPUPRCP SOAK DURATION 6		
	Step 2 hold time	RPUPRCP SOAK DURATION 2		Step 7 percent	RPUPRCP END SP VALUE 7		
	Step 3 percent	RPUPRCP END SP VALUE 3		Step7slope	RPUPRCP RAMP SLOPE 7		
	Step 3 slope	RPUPRCP RAMP SLOPE 3		Step 7 hold time	RPUPRCP SOAK DURATION 7		
	Step 3 hold time	RPUPRCP SOAK DURATION 3		Step 8 percent	RPUPRCP END SP VALUE 8		
	Step 4 percent	RPUPRCP END SP VALUE 4		Step 8 slope	RPUPRCP RAMP SLOPE 8		
	Step4slope	RPUPRCP RAMP SLOPE 4		Step 8 hold time	RPUPRCP SOAK DURATION 8		
	Step 4 hold time	RPUPRCP SOAK DURATION 4					

	TREATMENT			TREATMENT	
SETPOINT	COMMON NAME	INTERNAL NAME	SETPOINT	COMMON NAME	INTERNALNAME
	Step 1 percent	TREATRCP END SP VALUE 1		Step 5 percent	TREATRCP END SP VALUE 5
	Step 1 slope T	REATRCP RAMP SLOPE 1		Step 5 slope	TREATRCP RAMP SLOPE 5
	Step 1 hold time	TREATRCP SOAK DURATION 1		Step 5 hold time	TREATRCP SOAK DURATION 5
	Step 2 percent	TREATRCP END SP VALUE 2		Step 6 percent	TREATRCP END SP VALUE 6
	Step 2 slope	TREATRCP RAMP SLOPE 2		Step 6 slope	TREATRCP RAMP SLOPE 6
	Step 2 hold time	TREATRCP SOAK DURATION 2		Step 6 hold time	TREATRCP SOAK DURATION 6
	Step 3 percent	TREATRCP END SP VALUE 3		Step 7 percent	TREATRCP END SP VALUE 7
	Step 3 slope	TREATRCP RAMP SLOPE 3		Step7slope	TREATRCP RAMP SLOPE 7
	Step 3 hold time	TREATRCP SOAK DURATION 3		Step 7 hold time	TREATRCP SOAK DURATION 7
	Step 4 percent	TREATRCP END SP VALUE 4		Step 8 percent	TREATRCP END SP VALUE 8
	Step 4 slope	TREATRCP RAMP SLOPE 4		Step 8 slope	TREATRCP RAMP SLOPE 8
	Step 4 hold time	TREATRCP SOAK DURATION 4		Step 8 hold time	TREATRCP SOAK DURATION 8

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		Step7slope	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
	Step4slope	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:

RPUF SP V/	RCP END ALUE 1	RPUPRCP RAMP SLOPE 1	RPUPRCP SOAK DURATION 1	RPUPRCP END SP VALUE 2	RPUPRCP RAMP SLOPE 2	RPUPRCP SOAK DURATION 2	RPUP SP VA	RCP END	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	0	0
'Legacy #2	14	200	5	28	200	5	'Legacy #2	0	0	0	0	0	0
'Legacy #3	20	200	10	40	200	10	'Legacy #3	0	0	0	0	0	0
'Legacy #4	14	200	5	28	200	5	'Legacy #4	0	0	0	0	0	0
'Legacy #5	20	200	10	10	200	5	'Legacy #5	80	200	10	40	200	5
'Legacy #6	20	200	5	10	200	2	'Legacy #6	80	200	5	40	200	2
'Custom #7	20	100	0	10	100	0	'Custom #7	80	100	0	40	100	0
RPUF SP V/	RCP END ALUE 3	RPUPRCP RAMP SLOPE 3	RPUPRCP SOAK DURATION 3	RPUPRCP END SP VALUE 4	RPUPRCP RAMP SLOPE 4	RPUPRCP SOAK DURATION 4	TREA SP VA	rrcp end Lue 1	TREATRCP RAMP SLOPE 1	TREATRCP SOAK DURATION 1	TREATRCP END SP VALUE2	TREATRCP RAMP SLOPE 2	TREATRCP SOAK DURATION 2
'Legacy #1	60	200	10	80	200	10	'Legacy #1	100	200	10	50	200	5
'Legacy #2	42	200	5	56	200	5	'Legacy #2	100	200	5	50	200	2
'Legacy #3	60	200	10	80	200	10	'Legacy #3	100	200	5	0	0	0
'Legacy #4	42	200	5	56	200	5	'Legacy #4	100	200	5	0	0	0
'Legacy #5	40	200	10	20	200	5	'Legacy #5	100	200	10	50	200	5
'Legacy #6	40	200	5	20	200	2	'Legacy #6	100	200	5	50	200	2
'Custom #7	40	100	0	20	100	0	Custom #7	100	100	0	50	100	0
RPUF SP V/	RCP END ALUE 5	RPUPRCP RAMP SLOPE 5	RPUPRCP SOAK DURATION 5	RPUPRCP END SP VALUE 6	RPUPRCP RAMP SLOPE 6	RPUPRCP SOAK DURATION 6	TREA SP VA	TRCP END LUE 3	TREATRCP RAMP SLOPE 3	TREATRCP SOAK DURATION 3	TREATRCP END SP VALUE4	TREATRCP RAMP SLOPE 4	TREATRCP SOAK DURATION 4
'Legacy #1	0	0	0	0	0	0	'Legacy #1	0	0	0	0	0	0
'Legacy #2	70	200	5	85	200	5	'Legacy #2	0	0	0	0	0	0
'Legacy #3	0	0	0	0	0	0	'Legacy #3	0	0	0	0	0	0
'Legacy #4	70	200	5	85	200	5	'Legacy #4	0	0	0	0	0	0
'Legacy #5	60	200	10	30	200	5	'Legacy #5	0	0	0	0	0	0
'Legacy #6	60	200	5	30	200	2	'Legacy #6	0	0	0	0	0	0
'Custom #7	60	100	0	30	100	0	'Custom #7	0	0	0	0	0	0

TREAT SP VA	TRCP END LUE5	TREATRCP RAMP SLOPE 5	TREATRCP SOAK DURATION 5	TREATRCP END SP VALUE6	TREATRCP RAMP SLOPE 6	TREATRCP SOAK DURATION 6	'Legacy #4	56	200	5	42	200	5
'Legacy #1	0	0	0	0	0	0	Legacy #5	60	200	10	20	200	5
'Legacy #2	0	0	0	0	0	0	'Legacy #6	60	200	5	20	200	2
'Legacy #3	0	0	0	0	0	0	'Custom #7	60	100	0	20	100	0
'Legacy #4	0	0	0	0	0	0	RPDN	RCP END	RPDNRCP RAMP	RPDNRCP SOAK	RPDNRCP END	RPDNRCP RAMP	RPDNRCP SOAK
'Legacy #5	0	0	0	0	0	0	SPVA	LUE5	SLOPE 5	DURATION 5	SP VALUE6	SLOPE 6	DURATION 6
'Legacy #6	0	0	0	0	0	0	'Legacy #1	20	200	10	0	0	0
'Custom #7	0	0	0	0	0	0	'Legacy #2	42	200	5	28	200	5
TDEAT		TDEATDCD			TDEATDCD		'Legacy #3	0	0	0	0	0	0
SPVA	LUE7	RAMP SLOPE 7	DURATION 7	SP VALUE8	RAMP SLOPE 8	DURATION 8	'Legacy #4	28	200	5	14	200	5
'Legacy #1	0	0	0	0	0	0	'Legacy #5	40	200	10	10	200	5
Legacy #2	0	0	0	0	0	0	'Legacy #6	40	200	5	10	200	2
Legacy #3	0	0	0	0	0	0	'Custom #7	40	100	0	10	100	0
'Legacy #4	0	0	0	0	0	0	DDN						
'Legacy #5	0	0	0	0	0	0	SPVA	LUE7	SLOPE 7	DURATION 7	SP VALUE8	SLOPE 8	DURATION 8
'Legacy #6	0	0	0	0	0	0	'Legacy #1	0	0	0	0	0	0
'Custom #7	0	0	0	0	0	0	'Legacy #2	14	200	5	0	0	0
DDD				DDDNDCDEND			'Legacy #3	0	0	0	0	0	0
SPVA	LUE1	SLOPE 1	DURATION 1	SP VALUE2	SLOPE 2	DURATION 2	'Legacy #4	0	0	0	0	0	0
'Legacy #1	100	200	10	80	200	10	'Legacy #5	20	200	10	10	200	10
'Legacy #2	100	200	5	85	200	5	'Legacy #6	20	200	5	10	200	2
'Legacy #3	80	200	10	60	200	10	'Custom #7	20	100	0	10	100	1
'Legacy #4	85	200	5	70	200	5	CERV	ICAL PATTER		1	RCDTREATMENTNA	ME	
Legacy #5	80	200	10	30	200	5	legacy #1		1		legary #1		
'Legacy #6	80	200	5	30	200	2	Legacy #7		2		Legacy #7		
'Custom #7	80	100	0	30	100	0	Legacy #2		3		Legacy #2		
							Legacy #J		1		Legacy #J		
							Legacy #5		5		Legacy #5		
							Legacy #5		5		Legacy #J		
							Custom #7		7		Legaly #0		
							Custom#7		1		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:

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