

The Rath Mechanical

Treatment Table




Hill Laboratories
COMPANY

REFERENCE MANUAL

Congratulations!

And welcome to the Hill Laboratories family

Hill Laboratories Company has been making

quality a family business since 1945.

Your Hill Rath Mechanical Table is built in a tradition of

innovation and value that Hill Laboratories products

have become known for.

Our good name rests on the confidence that

your Hill Chair will provide you with solid, reliable service

for many years to come.

At Your Service

The Hill Laboratories Guarantee

Your Hill Laboratories Rath Mechanical Table has been thoroughly tested and inspected before shipment. All parts are guaranteed against defect in materials for one full year from date of purchase. During this period, any such defect will be remedied by Hill Laboratories or by a factory-authorized repair service without charge. Tables damaged by mishandling or accident will be repaired at a reasonable charge.

All correspondence should be directed to your local dealer, or when this is not possible, to Hill Laboratories directly.

We appreciate your business and your confidence in our product. Our aim is to provide you with excellent service and satisfaction for many years to come.

Howard A. Hill

President of Hill Laboratories Company

Table Serial Number _____

Ready for use

Your Rath Mechanical Table comes ready to plug into any 110 outlet.

Durable Vinyl Upholstery

See Table Care page for cleaning and care details

Foot Plate

To stabilize patients

Adjustable Angle Front

For Flexion and Extension

Belt

Patient Hand Control

Protractor

Measures treatment angle

Foot Pedal

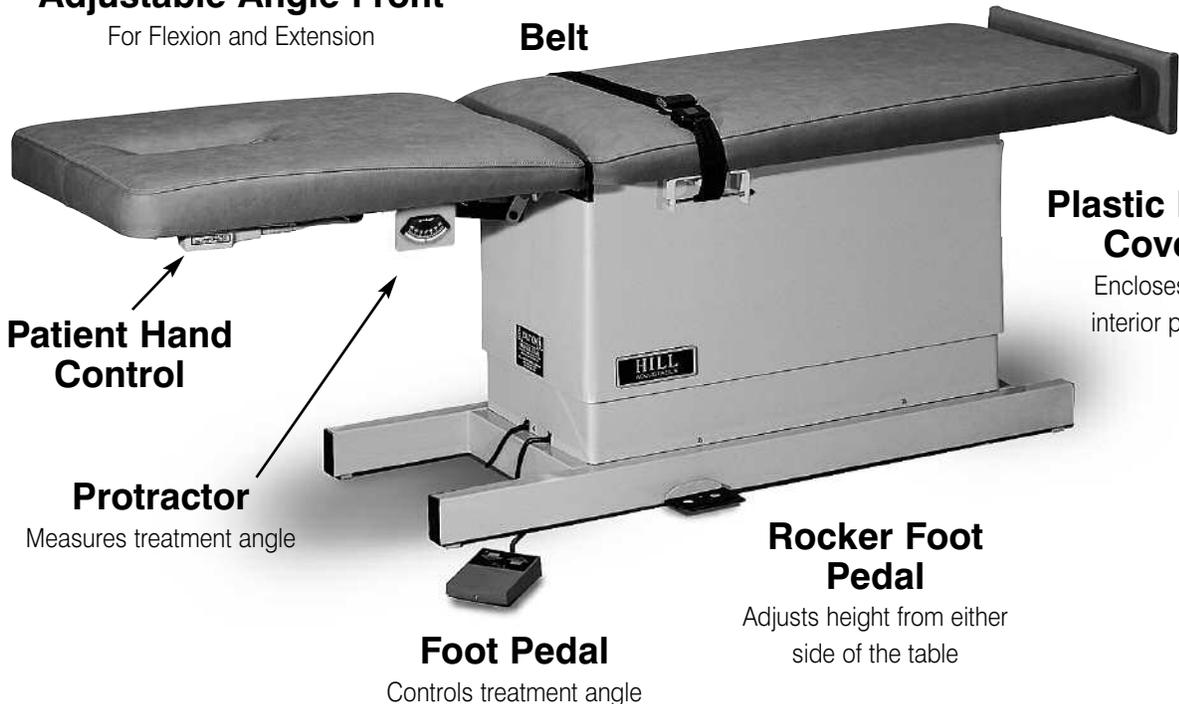
Controls treatment angle

Rocker Foot Pedal

Adjusts height from either side of the table

Plastic Base Cover

Encloses all interior parts



IMPORTANT: This table should be used for positioning only and is not designed for continual motion techniques.

Specifications

Table Rating

Lifts up to 400 lbs. Static Tested at 1000 lbs.

Height Range - 24"-34" or 26"-39"

Standard Width - 24", optional 27"

Length Reclined - 6'1"

Table Base Skirting

Acrylic thermo-plastic

Foam

Ultra-Cell® for comfort and shape retention

Shipping Weight

Approximately 250 lbs

Electric Requirements

115 v~, 60 Hz., 5 A (single motor), 10 A (2 motor), where specified - 230 v~, 50 Hz.

Note: Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked hospital only or hospital grade. There is no EMI concern related to the safe operation of this table.

Transportation and Storage Conditions

Ambient Temperature Range:

-30°C to +60°C (-22°F to 140°F)

Relative Humidity

0% to 90% (non-condensing)

Table Care

Cleaning Your Table

Your Hill Table comes upholstered in a highly durable vinyl material. Its appearance is guarded by Prefix™ brand protective finish. Your upholstery may be cleaned with the Hill Laboratories Vinyl Cleaner or any non-abrasive household detergent without change to surface luster. Stubborn stains can be cleaned with most common solvent cleaners such as naphtha (lighter fluid), rubbing alcohol (IPA type), toluene, Coleman gas, turpentine (paint thinner), and nail polish remover (50/50 mixture of acetone and water) with no change to surface luster or color. One hundred percent acetone can also be used for short periods but it is suggested that it first be tested on an inconspicuous area of the table.

Caution: These solvents are highly flammable; exercise proper care when cleaning with these materials and do not use near open flame or intense heat. Wear rubber gloves during all cleaning activities. When cleaning other parts of your table (besides upholstery) use only nonabrasive household detergents and water.

Cautions and Symbol Explanation

Caution: Be sure to unplug your table before performing any maintenance on the table.

Caution: The table should be checked once a year to make sure all internal and external bolts are secure.

Caution: The table should be in its lowest height position when not attended.

Caution: In case of power outage, the table will rely on the generator back-up of the facility where the table is installed for powering the table to its lowest position.

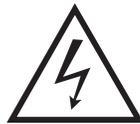
Caution: The power cord shall be located to avoid objects being rolled over or placed on top of it and also to avoid people tripping over it. Damaged cords should be replaced with another of hospital grade.

Caution: Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked hospital only or hospital grade.

Symbols - Each of the symbols below are used in your product labeling. An explanation of each is below.



Attention Symbol
consult accompanying
documents



**Dangerous Voltage
Symbol**



**Type BF Applied
Part Symbol**



**Ground
Symbol**



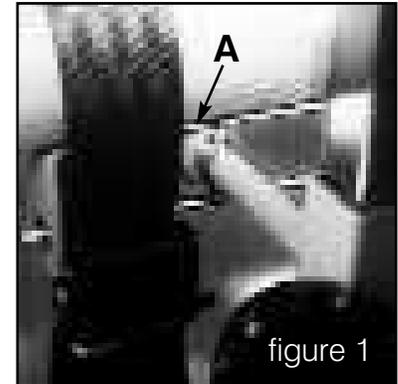
**Alternating Current
Symbol**

Ready for use

Instructions for the Lateral Shift Device

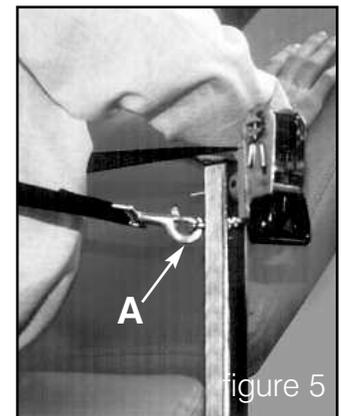
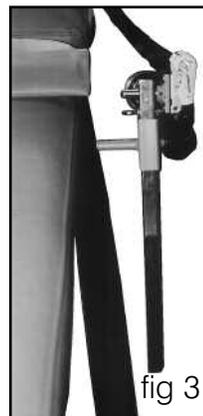
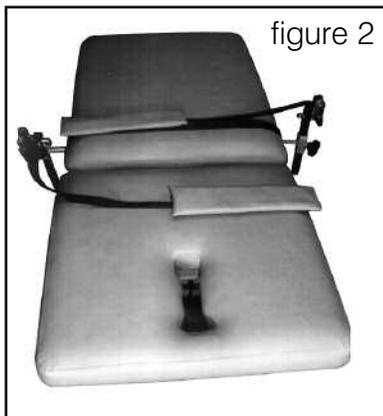
Preparing for Treatment

There are two different harness posts for the Rath Table. One will swivel back and forth in its socket to allow for patient movement; the other is designed with a pin which locks into its socket and remains stationary (see "A", figure 1) The 'swivelling' harness post is *always* used for the thoracic area of the patient; the stationary post is *always* used for the hips. Depending on the direction of the needed treatment, you may install the appropriate posts on either side of the table (Example: If you want to pull the thoracic area to the right when patient is prone, then the swivelling harness post should be installed in the socket on the patient's right side as shown below in figure 4. The harness for the hips should be tightened to pull the hips to the left.)



Positioning the Patient

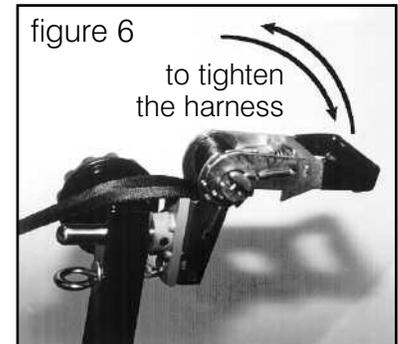
After installing the posts on their appropriate sides, lay the harnesses across the table as shown in figure 2. Note how the thoracic harness is 'looped' up on the thoracic cushion. Also notice that the height of the thoracic, swivelling harness is adjusted in the fully down position at this point as seen in figure 3. With harnesses in position on the table, lay the patient across them as shown in figure 4. When patient is on the table, elevate the thoracic post as you swivel



it toward the head end of the table so that the top of the harness will comfortably reach the patient's thoracic area. While holding the thoracic post in that position with one hand, use your other hand to wrap the harness around the patient and engage the clip into the eyebolt on the post (see "A", figure 5). Pull the hip harness around the patient and clip it as well.

Adjusting the Harnesses

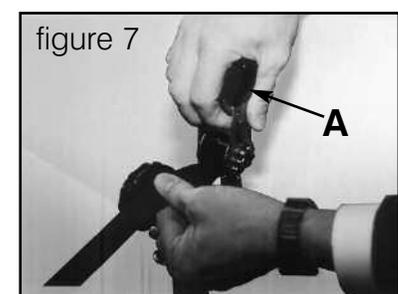
Once patient is positioned and the harnesses engaged, lateral shift can then be adjusted to the desired tension by tightening both straps with the ratcheting handle at the top of each harness post. Ratcheting is accomplished by lifting the black handle upwards (see figure 6), and then pushing it down to tighten the harness. Repeat this motion until the desired shift is achieved. Patient can now freely perform extension exercise.



To Loosen Harness

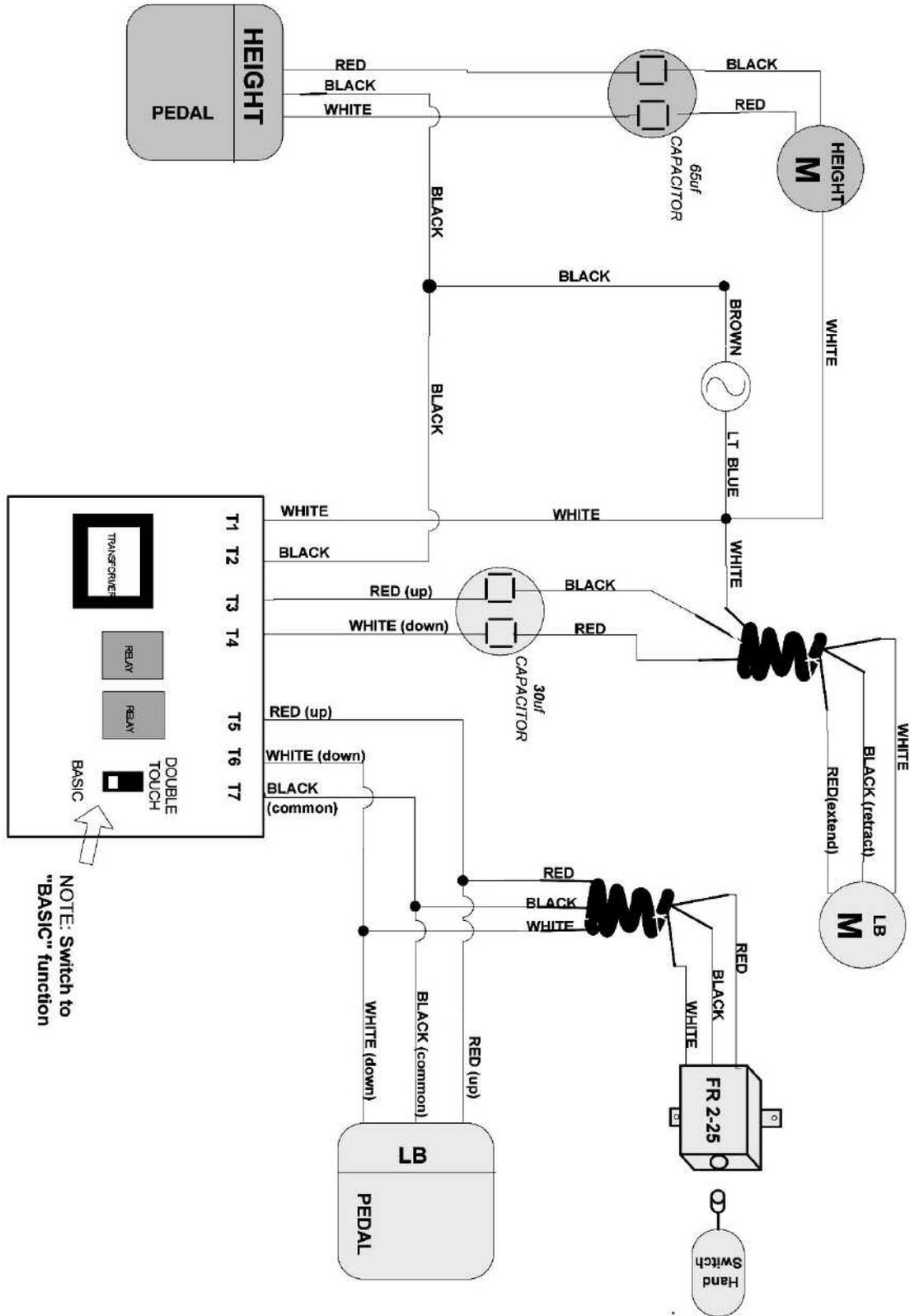
Push the ratcheting handle all the way up to the completely vertical position (see "A", figure 7). This will unlock the ratchet. Once the ratchet is unlocked, the harness can be loosened by simply pulling it out with the opposite hand as shown in figure 7.

Note: This sheet is intended strictly for instruction in the use of the lateral shift mechanism. Its purpose is not to explain treatment procedures or technical application. For treatment instructions for both the Rath Mechanical Table and the lateral shift device, please consult the McKenzie Institute.



IMPORTANT! Like all procedures using the Rath Mechanical Table, the Lateral Shift Device should never be used without the presence and immediate supervision of a professional clinician.

Wiring Diagram



Tables Manufactured by Hill Laboratories



Anatomotor
Massage w/Traction



90C



Air90C



Air-Flex
w/4 Drops



Hi-Lo



HA90



HA90 Lift Back



Mat Table



PT Mobilization



Rath Mechanical
McKenzie Technique



Repex Table
McKenzie Technique



PT Tilting



HA90E



90MD



90D Dermatology
Chair



90W Wound Care Chair



Podiatry Model



Counterstrain
(multi-positional)



HA90V Tilt
Vascular/Diagnostic



Posture Angel™
Active Rehab System



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