

The Hill Podiatry TREATMENT TABLE




Hill Laboratories
COMPANY

REFERENCE MANUAL

Congratulations!

AND WELCOME TO THE HILL LABORATORIES FAMILY.

HillLaboratories Company has been making

quality a family business since 1945.

Your Hill Podiatry Chair is built in a tradition of

innovation and value that Hill Laboratories products

have become known for.

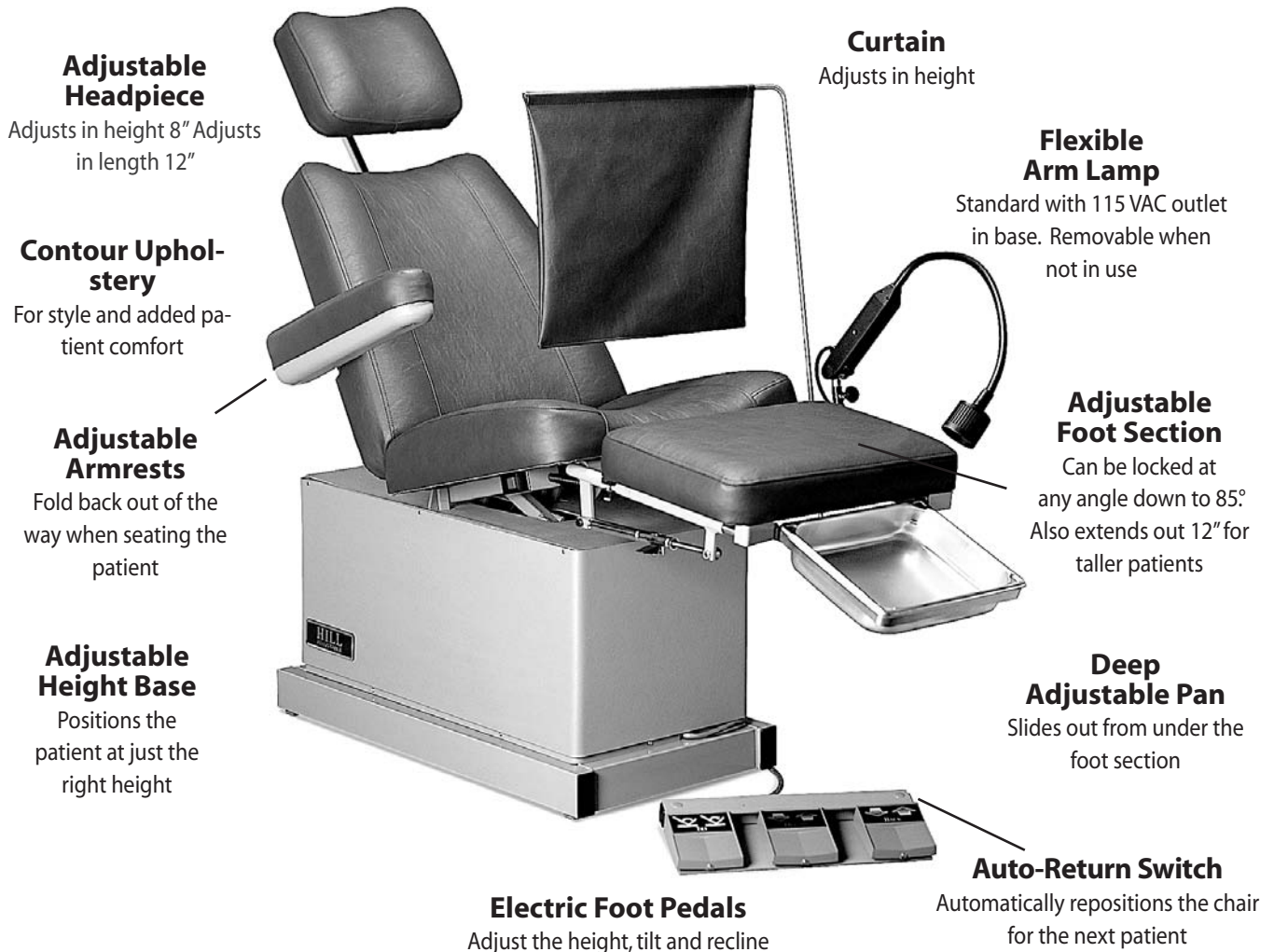
Our good name rests on the confidence that

your Hill product will provide you solid, reliable service

for many years to come.

READY FOR USE.

Your Hill Podiatry comes ready to plug into any 115 V~ outlet.



Adjustable Headpiece

Adjusts in height 8" Adjusts in length 12"

Contour Upholstery

For style and added patient comfort

Adjustable Armrests

Fold back out of the way when seating the patient

Adjustable Height Base

Positions the patient at just the right height

Curtain

Adjusts in height

Flexible Arm Lamp

Standard with 115 VAC outlet in base. Removable when not in use

Adjustable Foot Section

Can be locked at any angle down to 85° Also extends out 12" for taller patients

Deep Adjustable Pan

Slides out from under the foot section

Auto-Return Switch

Automatically repositions the chair for the next patient

Electric Foot Pedals

Adjust the height, tilt and recline

SPECIFICATIONS

- Rated at 250 pounds and tested at 1000 pounds static load
 - Height Range - 23"-36"
 - Standard width 26", optional 30"
 - Acrylic thermo-plastic base
- Ultra-Cell® foam for comfort and shape retention
- Standard width 24", Length when reclined - 6 feet
 - Shipping weight approximately 250 lbs.
- Electric requirement - 115 v~, 60 Hz., 10.2 amps. or 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.)

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.

Caution: Be sure to unplug your Hill Podiatry Chair 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 the Hill Wound Care Chair 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

TABLE FEATURES



Fold-Down Armrests

When the fold-down armrests are positioned in the normal position (as shown in photo), they can be easily folded back by simply lifting from the bottom until the armrests are parallel with the back seat cushion as shown to the left. Rated at 10 pounds and tested with 80 pounds.

Foot Pedals

Your Podiatry Chair has three separate foot pedals mounted together on one convenient control. The far left pedal is marked **Back** and independently controls the angle of the back cushion. The middle-left pedal is labeled **Tilt** and controls the tilt angle of the seat cushion (Caution: The lift back cushion needs to be tilted up a minimum of 15° in order to tilt the table into the trendelenburg position. To avoid injury or damage, the lift back should not be operated without the flat plastic panel in place on top of the plastic enclosure. See photo). The middle-right pedal is marked **Height** and controls the movement of the table base up and down.



TROUBLE SHOOTING

Problem

The table is making a rumbling or grinding sound when the height is adjusted and/or the height of the table slips downward when height is not being adjusted.

Solution

The actuator brake needs to be replaced. Do the following to fix the problem:

1. Adjust the table height to the highest setting. Unplug the table, and then remove the screws around the bottom of the plastic base skirting. Next, lift the inside skirt up so that it slides inside the outside skirt and then attach the bottom of the skirts together with masking tape to keep them up and out of the way while you work.

IMPORTANT: It is not necessary to remove the actuator from the table as shown here.

2. Remove the 3/8" nuts that hold the black motor to the actuator casing (2 or 3 depending on the age of the table). Then lift the motor off the casing to expose the interior and the actuator brake (Photo 1)

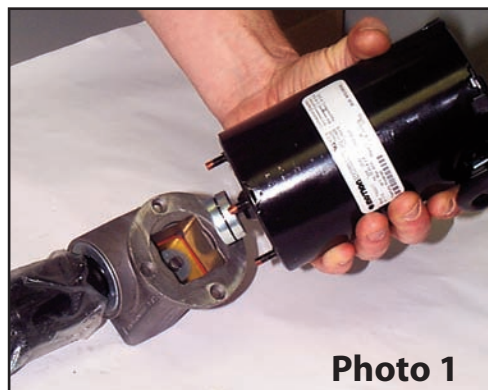


Photo 1

3. Using a needle nose pliers, grasp the actuator brake on both sides and carefully remove it and the gasket underneath (see photos 2 and 3).

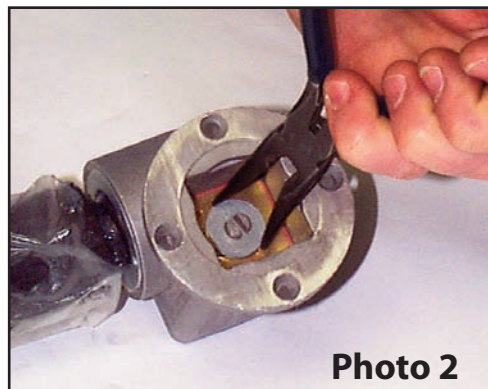


Photo 2

4. Clean the inside the casing, removing any grease and dirt. Insert the new gasket and brake being careful that the "smooth side" of the brake is face up (photo 4).

5. Reattach the motor with nuts. Lower the inside skirt and secure with screws.

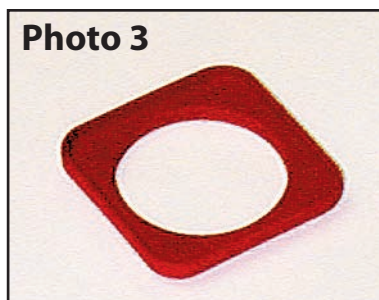


Photo 3

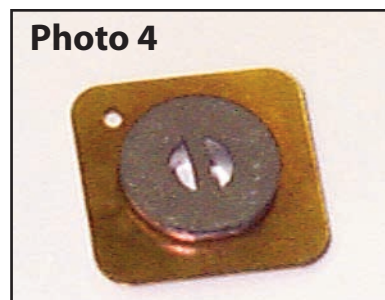


Photo 4

TROUBLE SHOOTING

Problem

The table is making a high-pitched winding sound when the height is adjusted.

Solution

The actuator worm gear needs to be replaced. Do the following to fix the problem:

IMPORTANT: It is not necessary to remove the actuator from the table as shown here!

1. Adjust the table height to the middle height setting. Unplug the table, and then gently tip the table up so that it stands on the foot end of the table.

2. If your table has a grease fitting (see Photo 1), first remove it with a pliers or adjustable wrench.

3. For actuators that do not have a grease fitting, unscrew the cap by tapping counter clockwise with a hammer and nail (or punch), angling the nail into the depressions in the cap as shown in photo 2.



4. Take the new worm gear and coat it completely and generously with grease.

5. Take a rag and wrap it around the actuator shaft (see photo 4). Then with your hand on the rag, slowly rotate the shaft clockwise until the worm gear pops up from the casing as shown in photo 3. **IMPORTANT:** Only rotate the worm gear upwards enough to grasp it with your fingers but no further. Also, do not turn the actuator shaft after removing the worm gear as this will make placing the new one more difficult.

6. Remove the old worm gear.

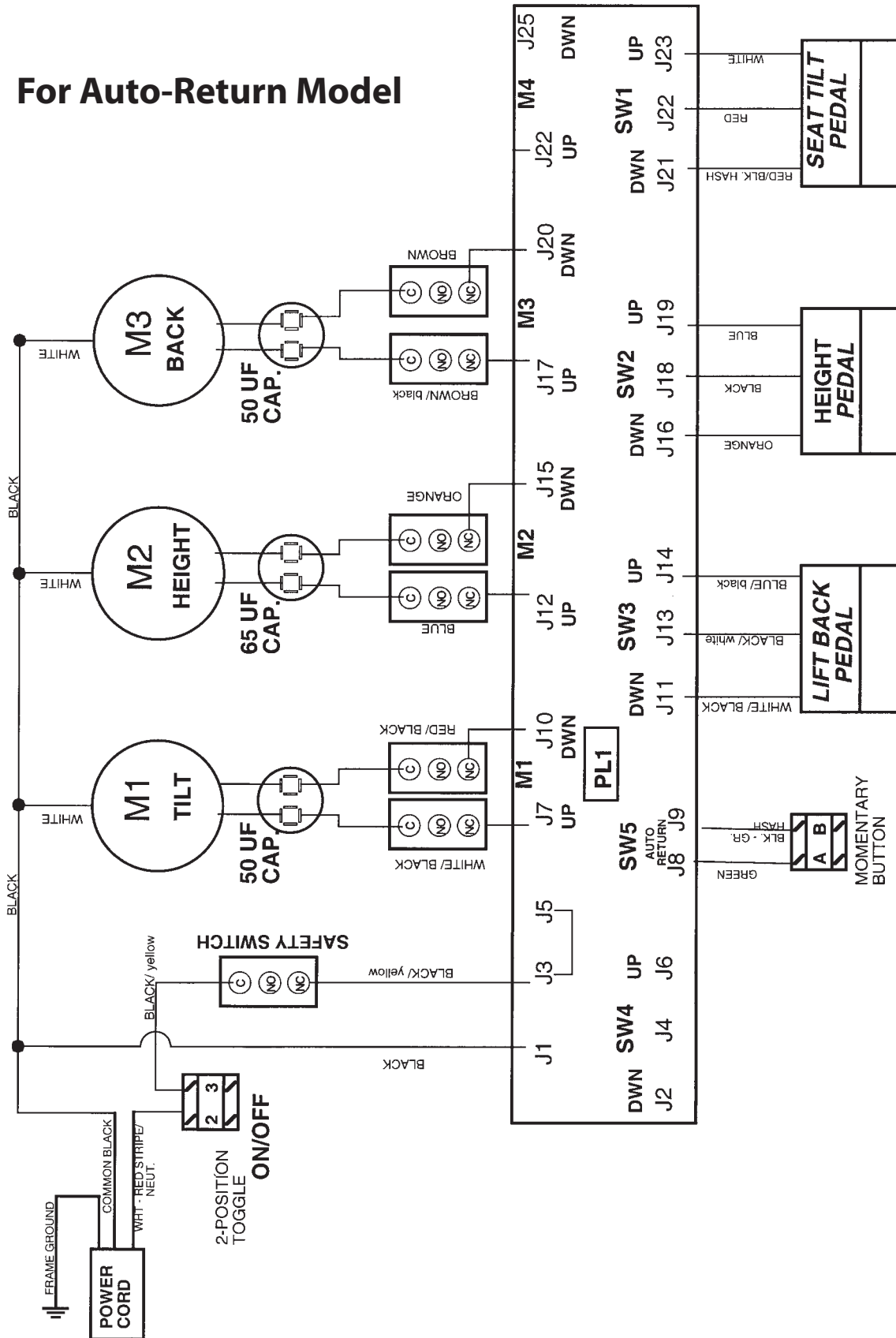
7. Insert the new worm gear into the casing, aligning it with the "half-moon slots in the brake at the bottom of the hole. If the gear does not immediately align, then grasp the actuator shaft with your hand, and slightly rotate the shaft. The gear will pop into place as you move the shaft (it may be necessary to pull the gear back out and rotate the actuator slightly.) When the gear is properly seated, it should recede approximately 1/4 inch below the top of the casing in order to replace the cap.

8. While continuing to hold the actuator shaft, replace the cap and tighten.



WIRING DIAGRAM

For Auto-Return Model



At Your Service

THE HILL LABORATORIES GUARANTEE

Your Hill Laboratories Podiatry Chair 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.

Chairs 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.



President of Hill Laboratories Company

Table Serial Number _____

Tables Manufactured by Hill Laboratories



Anatomotor
Massage w/Traction



HA90C



Air-Drop HA90C



Air-Flex
w/4 Drops



A-F-T
Automatic Flexion Table



HA90



HA90 Lift Back



Mat Table



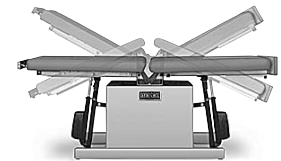
PT Mobilization



Rath Mechanical
McKenzie Technique



Hi-Lo Tilting



Repex Table
McKenzie Technique



HA90E



90MD



Dermatology Chair



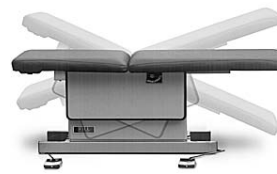
Wound Care Chair



Podiatry Model



Counterstrain
(multi-positional)



HA90 Tilt
Vascular/Diagnostic



Occupational Table



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