

HILL HA90E

EXAM CHAIR




Hill Laboratories
COMPANY

REFERENCE MANUAL

CONGRATULATIONS!

AND WELCOME TO THE HILL FAMILY

Hill Laboratories Company has been making quality a family business since 1945. Your Hill HA90E 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 HA90E has been
thoroughly tested and inspected before shipment.

All parts are guaranteed against defect in materials for one full year
from date of purchase. 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 products.

Our aim is to provide you with excellent service and
satisfaction for many years to come.

President of Hill Laboratories Company



Table Serial Number _____

READY FOR USE

COMES READY TO PLUG INTO ANY 115V OUTLET



SPECIFICATIONS

Table Rating

400 lbs./Static Tested at 4x Rating/Rated at 250 lbs.*

Height Range - 22"-35"

Standard Width - 26"

Length Reclined - 71"

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., 10 A - 230 v~, 50 Hz.

Receptacles in base - 115 v~, 250 Watt maximum

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)

*We have tested this model at 550 pounds. The UL standard requires static load testing at four times the rating stated on the label. The static load test was 1000 lbs. making the label rating 250 lbs.

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 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.

SPECIAL CAUTION

TO AVOID INJURY OR DAMAGE TO THE CHAIR, NEVER SIT OR LEAN ON THE FOOT SECTION WHEN IT IS RAISED TO THE HORIZONTAL POSITION!

The foot section is designed to support a seated patient's feet and lower legs only. To prevent any risk to patient or chair, always adjust the foot section down before a patient exits the chair.



SYMBOLS

Each of the symbols below are used on your Hill model labeling. An explanation of each is below.



Attention Symbol
consult accompanying documents



Dangerous Voltage Symbol



Type BF Applied Part Symbol



Ground Symbol

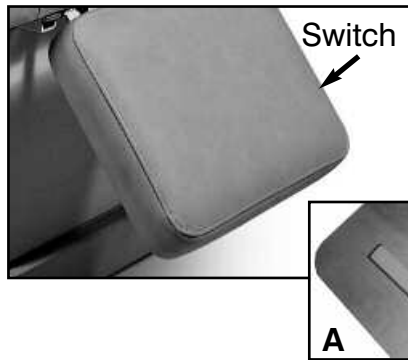


Alternating Current Symbol

TABLE FEATURES

MANUAL LIFT BACK

The Manual Lift Back is controlled by a manual switch located on the right side of the chair as you face the back. Press and hold the switch to freely adjust the angle of the cushion. Release to lock the cushion in place.



FOLD-DOWN FOOT SECTION

The Fold-Down Foot Section has a slide out T-bar which supports the foot cushion in the "UP" position (see "A") and slides back under the seat when not in use. For chairs equipped with a manual switch-lock, press and hold the switch (as seen above) to freely adjust the angle of the cushion. Release to lock the cushion in place.

STIRRUPS

The 90MD stirrups are located on both sides of the main seat cushion. Their length can be adjusted by loosening the black knob (A, photo 7), pulling the stirrup out to the desired position, and then tightening the knob again. When not in use, the black foot section folds down and under the cushion (photo 8).

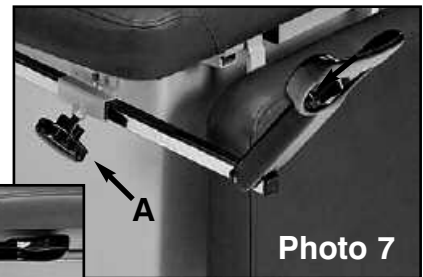
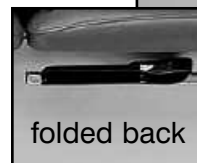


Photo 7



folded back

Photo 8

FOOT PEDALS



The foot pedal controls the height of the chair. Pressing the right side raises the elevation and pressing the left side lowers the height. An additional foot pedal may be added if an optional electric lift back is added.

TABLE FEATURES

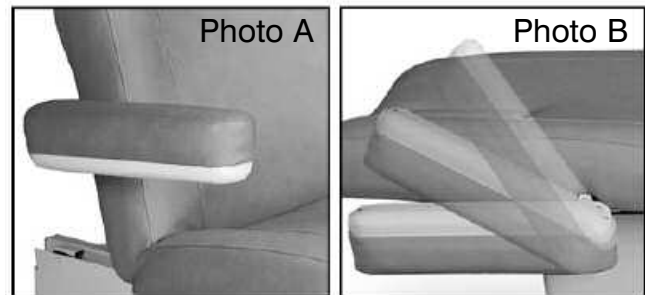
ADJUSTABLE HEADPIECE

The optional adjusting headpiece can be moved in both the forward-backward direction and up-down. To adjust the forward position of the headpiece, loosen the black knob directly behind the head cushion (“A” in photo) and adjust the cushion position. Then, retighten the knob. Repeat the same procedure for the up and down adjustment (“B” in photo). Rated at 20 pounds and tested with 160 pounds.



FOLD-DOWN ARMRESTS

When the optional fold-down armrests are positioned in the normal position (shown in Photo A), they can be easily folded back by lifting from the bottom until the armrests are parallel with the back cushion (Photo B). Rated at 10 pounds and tested with 80 pounds.

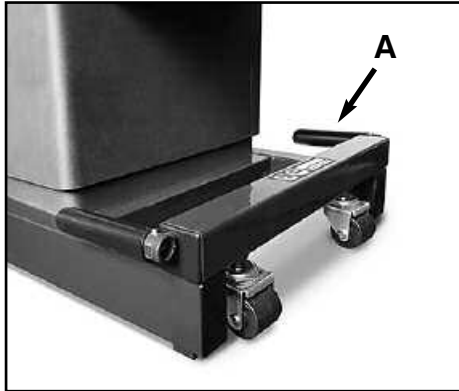


ROCKER FOOT PEDAL

The optional Rocker Foot Pedal operates the height of the table from either side of the table base. Press the right side of the pedal for “UP” and the left side for “DOWN”. The pedal will return to the neutral position when released.



TABLE FEATURES



CASTERS

The optional casters are located at both ends of the table base and facilitate easy table movement. The photo shows the casters in the disengaged position. To move the table, engage both sets of casters by lifting the handles from the horizontal position ("A") up to the straight-up position. The table will lift approximately 1/2" from the floor with the caster

wheels touching the floor and able to roll. Move the table to the desired location. With the table moved, be sure to disengage both sets of casters by pushing the handles back down to the horizontal position. **IMPORTANT:** Never allow a patient to be on the table while the casters are engaged.

EXAMINATION ARMBOARD

The optional Examination Armboard inserts from either side of the chair and tightens with a knob.

It can be positioned and locked at various angles vertically and horizontally as shown in the photos left and right. The Armboard is rated at 10 pounds/tested with 80 pounds.

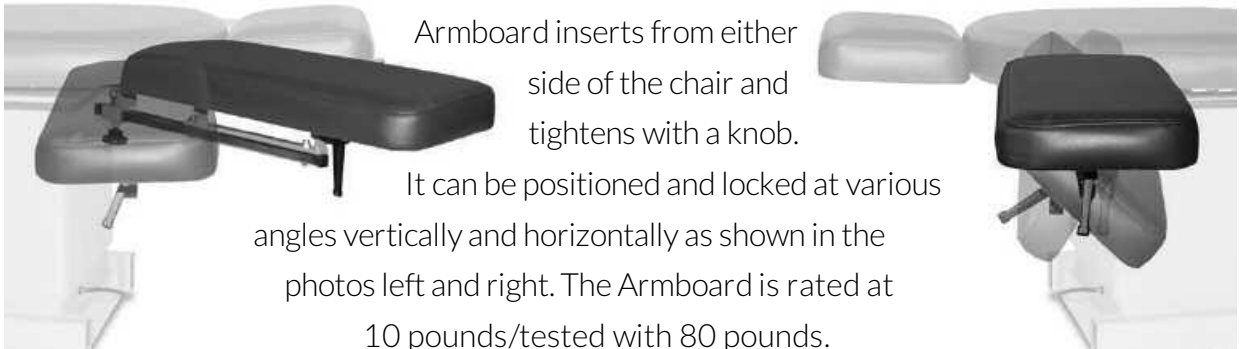
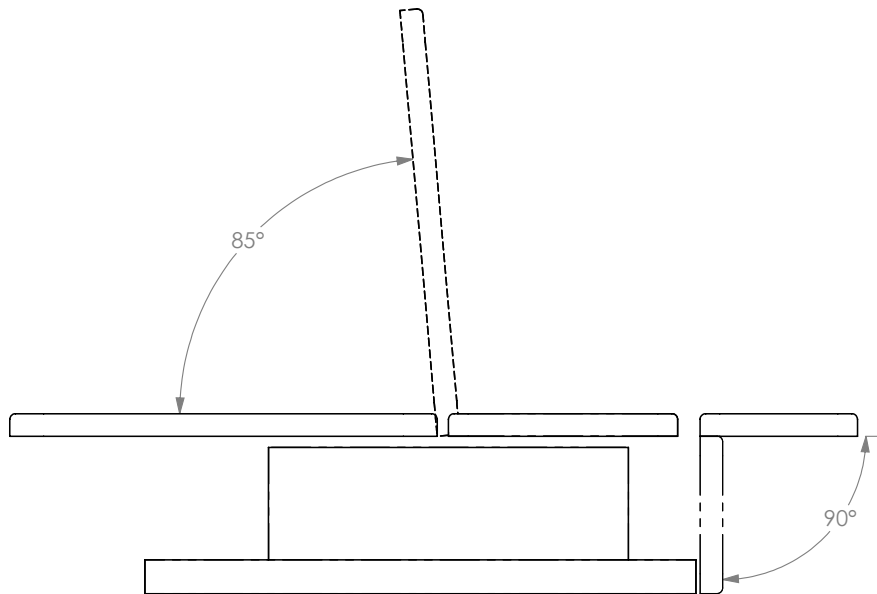
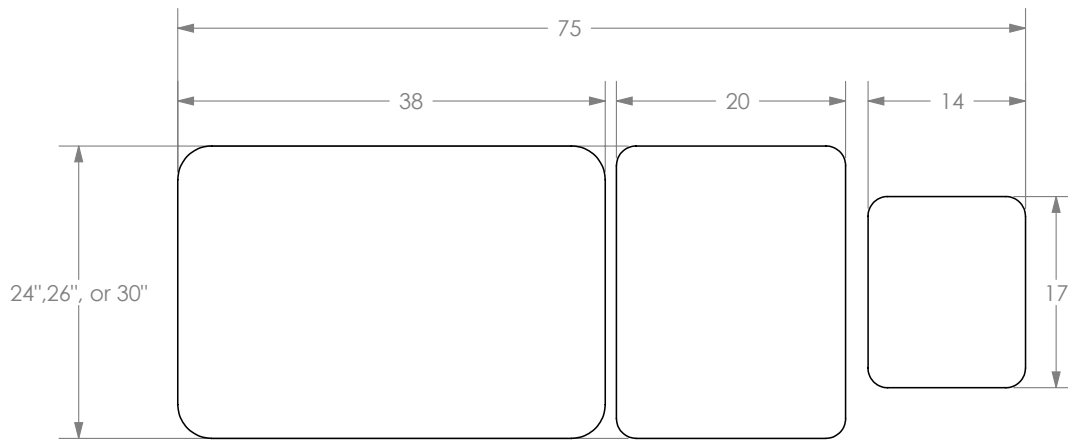
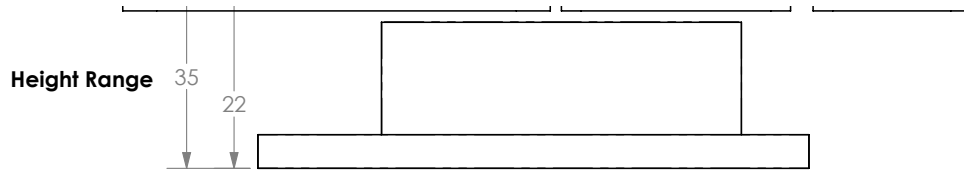


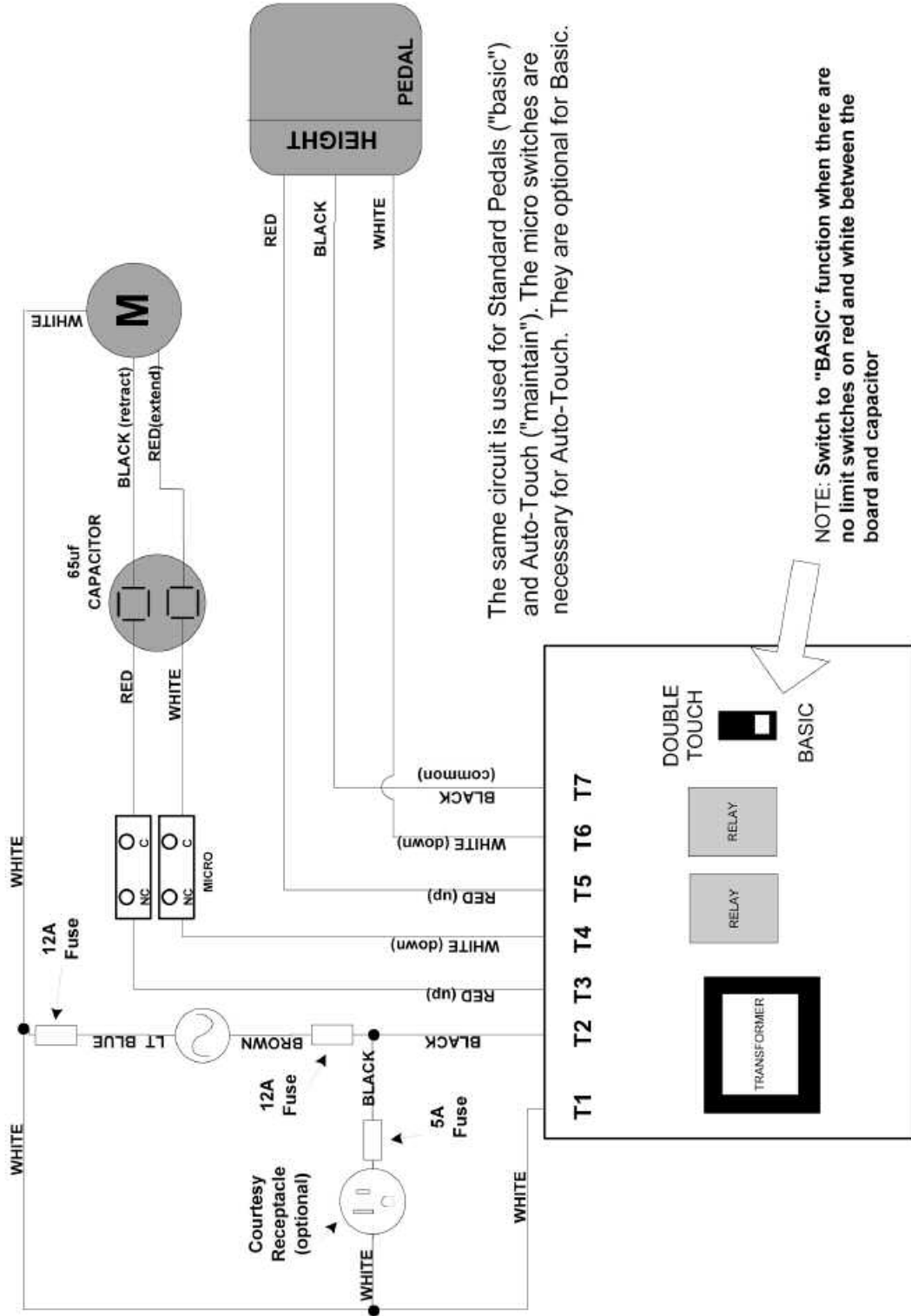
TABLE CARE

HA90E Dimensions



DIAGRAM

SINGLE-MOTOR

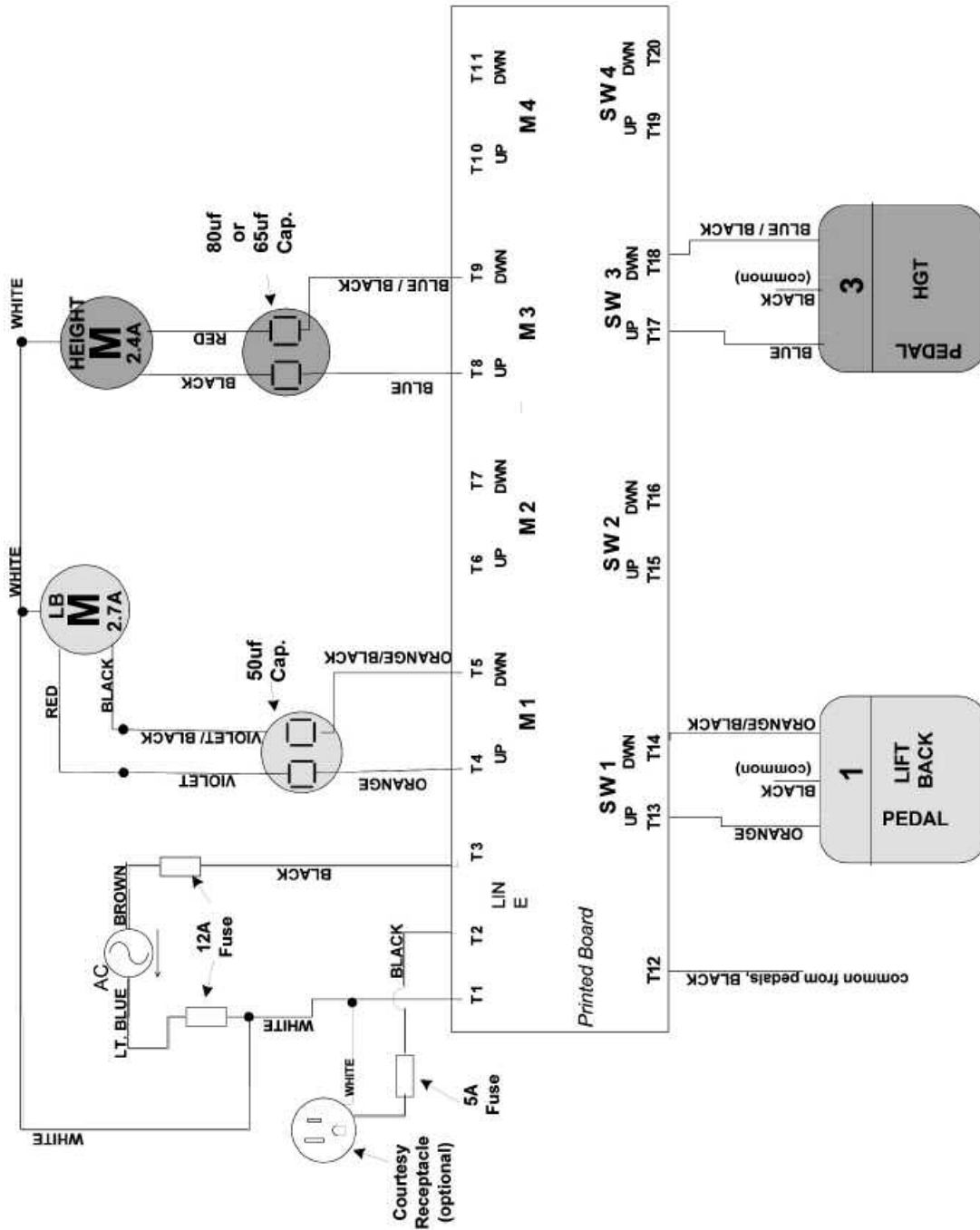


The same circuit is used for Standard Pedals ("basic") and Auto-Touch ("maintain"). The micro switches are necessary for Auto-Touch. They are optional for Basic.

NOTE: Switch to "BASIC" function when there are no limit switches on red and white between the board and capacitor

DIAGRAM

TWO-MOTOR





Additional service needed?

Contact your local dealer or reach us directly:

Phone: 1-877-445-5020 • Fax: 610-647-6297 • Email: Support@HillLabs.com

Technicians are available 9 am - 4 pm E.S.T., Monday - Friday.

OTHER PRODUCTS FROM HILL LABORATORIES

PROGRESSIVE INNOVATION • LEGENDARY QUALITY



Airflex II
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AFT
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HA90E
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HA90V
Vascular, Endo, Echo



HA90W
Wound Care



HA90P
Podiatry



HA90PT
PT Mobilization



HA90D
Dermatology



Anatomotor
Massage-Traction



Stationary-Top
Anatomotor



HILL DT
Decompression



SCS Strain
Counterstrain



HA90M
Mat Table



HF54 Hands-Free
Ultrasound/Interferential



Hill IFC
4-Channel Interferential



Horizon
Infrared Light Therapy



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