

Ritter®

Installation and Operation Manual

75 evolution Power Examination Table



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SCOPE OF WARRANTY

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The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

EXCLUSIONS

This warranty does not cover and Midmark shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the Midmark "Installation" and or "Installation / Operation Manual for this applicable product. (3) products considered to be of a consumable nature; (4) accessories or parts not manufactured by Midmark; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

EXCLUSIVE REMEDY

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NO AUTHORIZATION

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General Operation and Care of Equipment Introduction

This manual covers complete instructions for the installation, operation, and normal care of the 75 evolution Medical Examination Table.

For the purpose of this manual, the word TABLE is synonymous with the word CHAIR.

This table has been designed to help reduce effort and work fatigue involved in the examination and treatment of an ever-increasing number of patients during the doctor's normal working day.

The height of the table, the angle of the table top, and the upper section of the table top are easily adjusted by the use of an electric-hydraulic power unit. Height of the table can be adjusted from 26" to 42". The angle of the table top may be varied from horizontal to 45° and the upper portion of the table top can be adjusted from horizontal to a full chair position. The foot/leg support may be adjusted from horizontal or vertical positions. The combination of these four motions provides a table which can not only be tailored to meet the individual doctor's requirements, but will meet the requirements of most examinations and treatments being performed in the doctor's office today.

Adjustments of the 75 evolution table are controlled by a foot control switch, leaving both hands free while adjustments are being made.

Important Instructions

Safety First: The primary concern of Midmark Corporation is that this equipment be operated and maintained with the safety of the patient and doctor in mind. To assure safer and more reliable operation:

1. Read this manual before installing or operating your equipment.
2. It is the responsibility of the purchaser to assure that appropriate personnel are informed of the contents of this manual.

3. Be sure that you understand the instructions contained in this manual before attempting to install or operate this equipment.
4. This manual should remain permanently affixed to this equipment.

Warnings

Throughout this manual are **Notes, Caution, and Danger warnings that call attention to particular procedures.** The items are used as follows:

NOTE

A note is used to amplify an operating practice, procedure, or condition.



CAUTION

A CAUTION is used for an operating procedure, practice, or condition which if not correctly followed, could result in equipment damage.



DANGER

A DANGER is used for an operating procedure, practice, or condition which, if not correctly followed, could result in personal injury.

DANGER warnings are repeated here. Become thoroughly familiar with them and observe them at all times.

1. Do not lift at points B, Figure 1. These points are not supported areas. Lifting at these areas could cause personal injury or equipment damage.
2. Do not use stirrups to lift or move table. Using the stirrups for this purpose could result in personal injury or equipment damage.

3. Use 115 volt, 60 hertz alternating current only. Failure to do so could result in personal injury or equipment damage.
4. Do not use this table in an explosive or oxygen-enriched atmosphere. Using the table in these situations could cause personal injury or equipment damage.
5. All exposed metal parts of the table are electrically grounded. When performing a cauterization or similar treatment, patient must be insulated from the metal portions of the table by nonconductive material. Failure to do this could result in electrical shock or burns to the patient.
6. If the table malfunctions, immediately remove your foot from the control switch, unplug the power cord from the wall receptacle, and assist the patient from the chair.
7. Keep all foreign objects away from the footswitch so that the pedals are not accidentally activated. Failure to do so could result in personal injury or equipment damage.
8. Keep your arms and legs and your patient's arms and legs clear of all moving parts when changing table positions. Failure to do so could result in personal injury.
9. Failure to lock the knee rest support into position could result in personal injury or equipment damage.
10. Failure to engage lateral locking mechanism could result in personal injury.
11. Failure to perform a periodic inspection could result in personal injury or equipment damage.

Unpacking and Installation

Unpacking: To avoid damaging the table's upholstered top or side panels, do not use a knife or other sharp object to open the packaging when unpacking. Unbolt the table from the wooden shipping skid by removing four (4) bolts on the underside of the base, one at each corner. After unbolting, remove the chair from the skid, lifting only at Points A, Fig. 1.

Leveling: A leveling screw is located under each corner of the table base. By adjusting these in or out, a level, solid installation can be achieved on uneven floors.

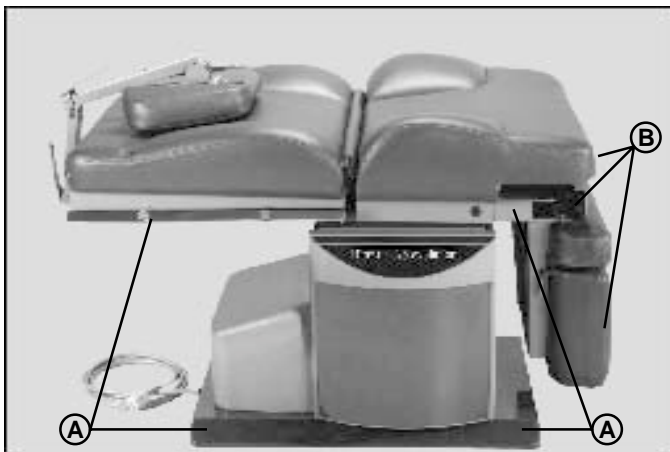


FIGURE 1



DANGER

Do not lift at Points B, Figure 1. These points are not supported areas.

Lifting at these points could cause personal injury.



DANGER

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Do not use this table in an explosive or oxygen-enriched atmosphere. Using the table in these situations could cause personal injury or equipment damage.



DANGER

All exposed metal parts of the table are electrically grounded. When performing a cauterization or similar treatment, patient must be insulated from the metal portions of the table by non-conductive material. Failure to do this could result in electrical shock or burns to the patient.

Electrical: The electrical rating for the 75 evolution table is 115 VAC, 60 Hertz, 12 Ampere. The three-pronged grounding plug on the table power cord must be inserted into a matched three-pronged, GROUNDED, NON-ISOLATED, CORRECTLY POLARIZED, 115 volt receptacle.

Operation of Table Power Features

For optimal performance, allow the table to reach room temperature before operating.

NOTE

This equipment is not designed for continuous operation. If the unit is operated for extended periods of time, the motor overload switch may function. If chair operation ceases, immediately remove your foot from the control switch. The overload switch will automatically reset itself after the motor cools down (10 to 20 minutes). Should the unit fail to run after the cool down period, contact your authorized service representative to determine the cause of the malfunction.




DANGER


If the table malfunctions, immediately remove your foot from the control switch, unplug the power cord from the wall receptacle, and assist the patient from the chair.

Footswitch Controls: A cord-connected foot control is supplied with each table (Fig. 2). The foot control will operate all table functions and is designed for operator comfort. A firm stance may be maintained by placing your foot onto one of the four footswitch sections. By rocking your foot side to side, you will activate movement of the table. Each footswitch section is labeled accordingly for each table function. The table functions are:

1. Table up/down
2. Back up/down
3. Tilt up/down
4. Foot section up/down



DANGER
 Keep all foreign objects away from the footswitch so that the pedals are not accidentally activated. Failure to do so could result in personal injury or equipment damage.



DANGER
 Keep your arms and legs and your patient's arms and legs clear of all moving parts when changing table positions. Failure to do so could result in personal injury.

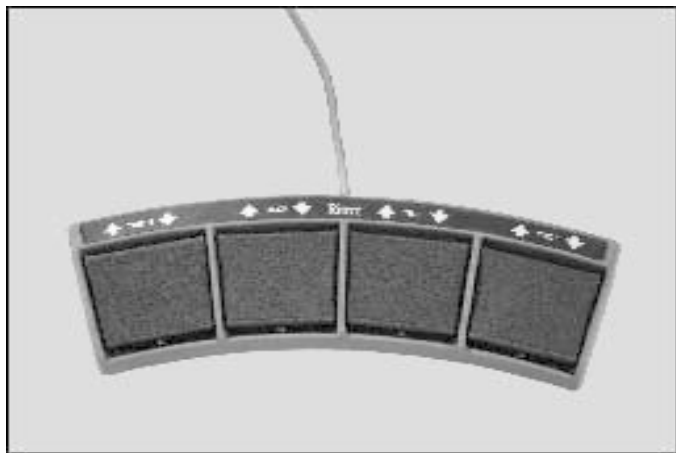


FIGURE 2

Patient Positioning - Manual Control

Adjustment of Table Height: To raise table, depress left side of footswitch pedal marked "Table Up," (Fig. 2). Hold pedal down until table reaches desired height or maximum height is achieved.

To lower the table, depress right side of pedal marked "Table Down." Hold control down until table reaches desired height or minimum height is achieved.

DO NOT hold control switch down after the table has reached the extreme low or extreme high position. Operation of the table for an extended period of time at either of these positions will overheat the motor.

Adjustment of the Back Section: To raise the upper portion of the table backrest from the horizontal to chair position, depress the left side of the footswitch pedal marked "Back Up" and hold control down until the desired position is obtained or the chair position is achieved.

To lower the table backrest, depress the right side of the footswitch pedal marked "Back Down" and hold pedal down until the desired position is obtained or the minimum position is achieved.

DO NOT hold control switch down after either of the extreme positions has been reached. Extended operation of the motor at either of these positions will overheat the motor.

Adjustment of the Table Top Angle: To tilt the table top section, depress the left side of footswitch pedal marked "Tilt Up" and hold control down until the desired degree of tilt is obtained or the maximum tilt is reached.

To bring the seat section back into the horizontal position, depress the right side of the footswitch pedal marked "Tilt Down" and hold pedal down until the desired position is obtained or the horizontal position is achieved.

DO NOT hold control switch down after either of the extreme positions has been reached. Extended operation of the motor at either of these positions will overheat the motor.

Adjustment of the Foot/Leg Rest Support: To raise the foot/leg rest support from vertical to horizontal position, depress the left side of footswitch pedal marked "Foot Up" and hold control down until the desired position is obtained or the horizontal position is achieved.

To lower foot/leg rest support from horizontal to vertical position, depress the right side of footswitch pedal marked "Foot Down" and hold control down until the desired position is obtained or the vertical position is achieved.

DO NOT hold control switch down after either of the extreme positions has been reached. Extended operation of the motor at either of these positions will overheat the motor.

NOTE

A safety switch prevents operation of the foot section when the irrigation pan is extended. If this occurs, simply return the pan to its fully stored position. If normal operation of the foot section is not restored, call an authorized service representative.

Table Features

Procto Knee Rest: The stored position of the procto knee rest is illustrated in Figure 3. To remove the knee rest, lift levers (A, Fig. 3) on each side of knee rest. This releases the locking mechanism allowing for removal of knee rest.

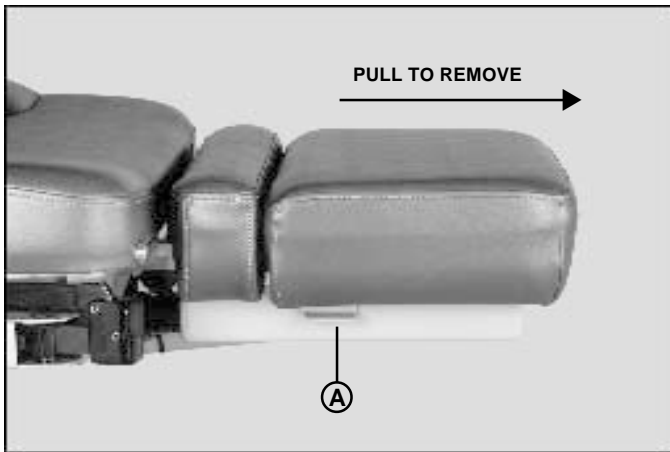


FIGURE 3

The foot/leg section provides four (4) procto knee rest positions (A, Fig. 4). To install the knee rest into either of these positions, align the metal guides (A, Fig. 5) with slots (A, Fig. 4) and insert until you hear the mechanical locking device engage.

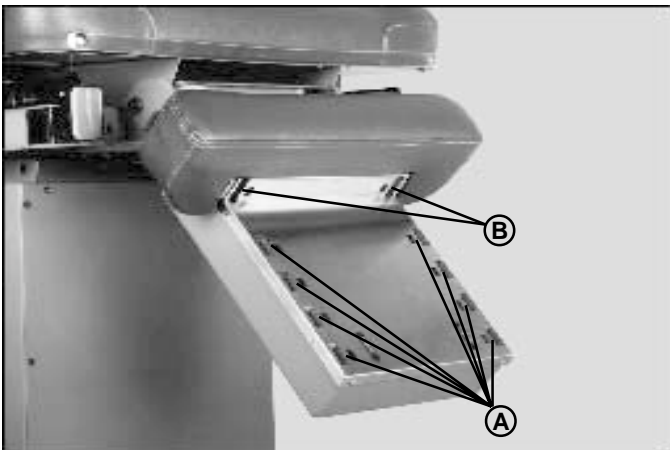


FIGURE 4



DANGER

Failure to lock knee rest support into position could result in personal injury or equipment damage.

Removal of the knee rest from a procto position is the same as removal from the stored position. Lift levers (A, Fig. 3) on each side of knee rest. To return the knee rest support to its stored position, align metal guides (A, Fig. 5) with slots (B, Fig. 4) and insert until you hear the mechanical locking device engage.

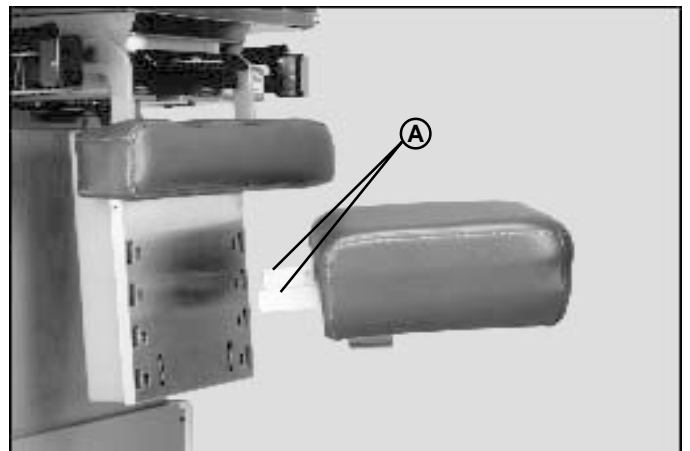


FIGURE 5



DANGER

Failure to engage lateral locking mechanism could result in personal injury.

Stirrup Adjustment: Grasp end of stirrup assembly (A, Fig. 6). Pull stirrups straight out of the table to full extension. Unfold stirrup to an erect position as shown (Fig. 6).


Lateral (Width) Adjustment: The 75 evolution table has three (3) lateral positions for both R.H. and L.H. stirrups. To adjust lateral positioning, lift stirrup assembly at the proper point (A, Fig. 6) and then rotate assembly to right or left. The stirrup mechanism will “click” into position as it is rotated.

When the desired position is attained, lower stirrup (A, Fig. 6) to engage width locking mechanism. Check that lateral (width) locking mechanism is engaged by attempting to rotate stirrup assembly without lifting at point A (Fig. 6).



FIGURE 6

Extension Adjustment: Stirrup extension length is adjusted by holding stirrup at point A (Fig. 6), and sliding stirrup assembly in and out of table. Check that lateral (width) locking mechanism is engaged by attempting to rotate stirrup assembly without lifting at point A (Fig. 6).



DANGER
Failure to engage lateral locking mechanism could result in personal injury.

Storing Stirrups After Use: Extend stirrup assemblies to full extension, fold stirrups down against bar, rotate stirrups to Position #1 (Fig. 6), and slide complete assembly into table.

Irrigation Pan: A stainless steel irrigation pan is located between the stirrups as shown (A, Fig. 7). The pan slide assembly extends easily from the table by grasping and pulling handle (B, Fig. 7), and will automatically stop when extended to its full out position.

The irrigation pan may be removed from the slide assembly by lifting evenly at Points C (Fig. 7). To replace the pan, align and press firmly into slide assembly.

NOTE
A safety switch prevents operation of the foot section when the irrigation pan is extended. If this occurs, simply return the pan to its fully stored position. If normal operation of the foot section is not restored, call an authorized service representative.

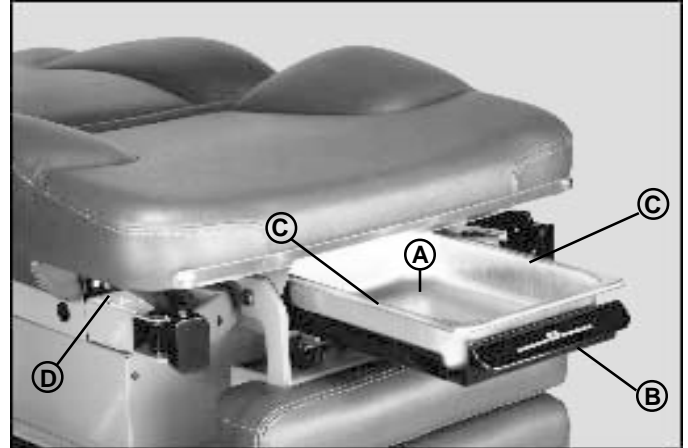


FIGURE 7

Paper Roll: Storage for a standard 21" wide x 3" diameter paper roll is conveniently provided under the upper portion of the back section (Fig. 8).

Access to the paper roll storage area is accomplished by rotating the holder access cover (A, Fig. 8) toward the headrest. It is best to do this with the back section in a horizontal position.

Insert paper roll, return access cover to closed position allowing paper to drape out of holder. Paper can now be dispensed and positioned over upholstered area of table.

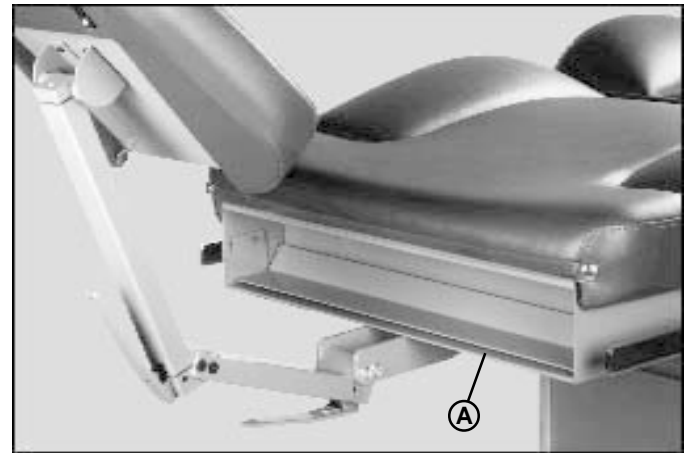


FIGURE 8

Headlock Adjustment: To adjust the holding action of the headlock, release the lock handle and loosen the lock screw using a $\frac{3}{32}$ " allen wrench (A, Fig. 9). Tighten the adjusting screw (B, Fig. 9) with a $\frac{3}{16}$ " allen wrench or a $\frac{1}{2}$ " wrench to obtain the greatest possible holding power without making the handle operation too difficult. Then with the handle in locked position, tighten the lock screw (A, Fig. 9).

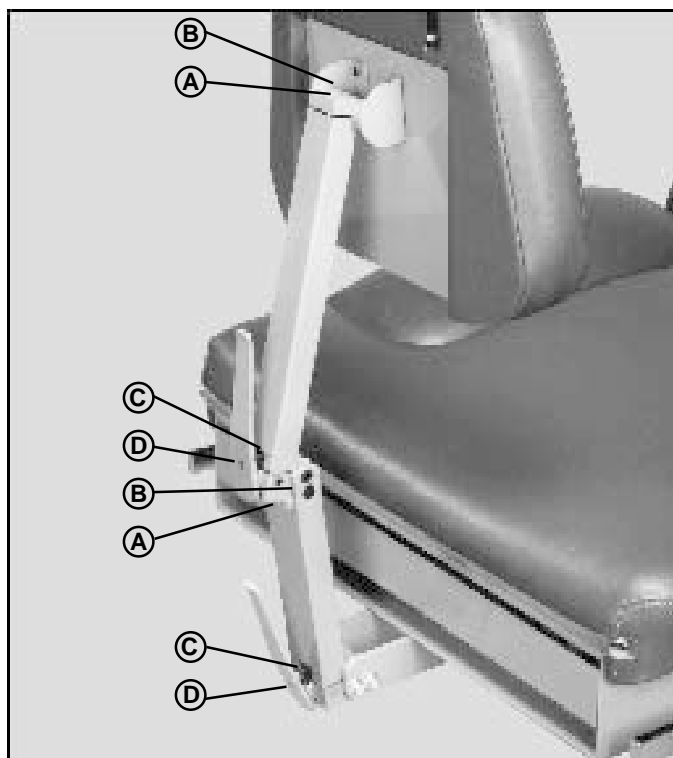


FIGURE 9

Care of Tables

Care of Upholstery and plastic covers: The upholstery material used to cover the top of the table is resistant to most medicinal-type stains but may be damaged by solvents and dyes. Regular care should be maintained by daily wiping with a damp cloth or sponge and periodic cleaning with a mild soap and water solution.

Any fluid spilled on the upholstery or plastic cover should be removed as quickly as possible.

In the case of stain, attempt to remove it with soap and water.

Care of Painted Metal Surfaces: All painted metal surfaces should be wiped clean with a clean, soft cloth weekly and periodic applications of paste wax made to all smooth painted surfaces to preserve the finished luster.

Care of Moving Parts: Moving parts such as the tilt pivot and foot extension pivot pins, back hinge, and stirrup indexing button (Fig. 7, Item #D) should be oiled occasionally with a light machine oil to help insure quiet, smooth, dependable operation. Stirrup bars can be lubricated using a standard household furniture wax. Lubricant will allow free movement of sliding parts and reduce possibility of noise.

Maintenance

Little routine maintenance is required other than a periodic inspection of hydraulic hose lines and electrical cords to make sure they are free of cuts or damage and clear of moving parts. Due to the mechanical, electrical nature of this equipment periodic inspections at six (6) month intervals by your dealer are recommended.



DANGER

Failure to perform a periodic inspection could result in personal injury or equipment damage.

Notes

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