Dynatronics Parallel Bars

Operation & Service Manual For:

Electric Height & Width Parallel Bars

Electric Height Parallel Bars

Platform Parallel Bars

Folding Parallel Bars

Dynatronics Corporation
Dynatronics Parallel Bars
Operation and Service Manual
For the following Models:

Electric Height & Width Parallel Bars, 10’ - Model EPB102
Electric Height & Width Parallel Bars, 15’ - Model EPB152
Electric Height Parallel Bars, 10’ - Model EPB101
Electric Height Parallel Bars, 15’ - Model EPB151
Platform Parallel Bars, 7’ - Model PB7P
Platform Parallel Bars, 10’ - Model PB10P
Folding Parallel Bars w/Wood Base, 7’ - Model PB7F1
Folding Parallel Bars w/Wood Base, 10’ - Model PB10F1
Folding Parallel Bars w/Steel Base, 7’ - Model PB7F1S
Folding Parallel Bars w/Steel Base, 10’ - Model PB10F1S
and custom size parallel bars

Warranty and warranty registration are found at the back of this manual. Warranty registration must be filled out and returned to Dynatronics within 10 days of the date the product is delivered to the user.

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Introduction

Thank you for purchasing Dynatronics parallel bars. This quality product has been designed to provide you with years of excellent performance and reliable operation. Each set of parallel bars is manufactured and tested to insure that you receive a high quality product.

Before using this product, read the installation and operating instructions. Also read the operating precautions both provided in this manual as well as the precautions labeled on the unit itself. If you have any questions about operation of this product, contact your Dynatronics dealer or Dynatronics Customer Service at 1-800-874-6251.

Installation

Inspect Shipment Immediately Upon Delivery

All shipments which leave our factory are inspected and are of approved quality. The history of common freight carriers is that of rough handling and frequent damage. BEFORE SIGNING FOR A SHIPMENT, ALWAYS INSPECT THE EXTERIOR CARTON FOR ANY VISIBLE DAMAGE, CUTS, HOLES, CRUNCHED CORNERS, TEARS, OR BROKEN BANDS. Any of these are indications of potential product damage. If any of these problems are found, you MUST write that information on the Bill of Lading before signing it. If damage is not noted on the Bill of Lading, your signature indicates you have accepted the merchandise in good condition.

This problem occurs most often on drop shipments, so ensure only qualified personnel sign the bill of lading after inspection of exterior carton. Filing a claim is much faster and easier when this process is followed. If the process is not followed, a claim may be disallowed altogether. To file a claim, contact your local carrier for an inspection, then contact Dynatronics to determine whether a replacement is necessary. It is the customer's responsibility to file the claim since the merchandise was inspected before shipping. PLEASE AVOID THE DIFFICULT PROCESS OF FILING CLAIMS WITHOUT PROPER RECEIVING PRACTICES.

Standard Configurations

Electric Height & Width Parallel Bars
- Electric controls for both height and width adjustment
- Manual override crank
- 10’ or 15’ models

Electric Height Parallel Bars
- Electric controls for height adjustment with manual override crank
- Manual width adjustment
- 10’ or 15’ models
Platform Parallel Bars
- Manual controls for both height and width adjustment
- 7’ or 10’ models
- Wood base 34” wide
  (Custom model PB10PW is available with a 38” wide base)

Folding Parallel Bars
- Manual controls for both height and width adjustment
- 7’ or 10’ models
- Wood or steel base

Setup

After unpacking, set the parallel bars in the desired location. Allow ample clearance around and above the bars. The platform base should be level and have contact support with the floor surface along its entire length to assure proper mechanical operation of the bars. Mount and attach bar legs to the platform or to folding base (depending on the model). Inspect all cables and power cord for damage; immediately report any damage found to Dynatronics Customer Service. For electrically controlled bars, connect the AC power cord, which is equipped with a hospital grade, UL listed plug, to a properly grounded 110/120V 60 Hz AC outlet (the unit may be equipped with a 220/240V 50 Hz motor if requested). Ensure the control assembly is properly connected. The parallel bars are now ready to use. Read Operating Instructions in this manual before using the bars.

Complete the warranty registration found at the back of this manual and return it to Dynatronics within 10 days after the unit is delivered to you. This is essential to insure you are not billed for services that are covered by the warranty policy. Warranty registration should include the serial number.

Precautions

1. NEVER leave the patient unattended.

2. ALWAYS keep children away from the parallel bars.

3. ALWAYS inform the patient of the procedure before beginning. Advise the patient prior to making any further adjustments to the bars while the patient is positioned on the bars.

4. NEVER place hands or feet near moving mechanisms while in operation.

5. A safety belt strapped around the patient’s waist is STRONGLY RECOMMENDED to aid in better control of the patient.

6. DANGER: Risk of explosion hazard if used in the presence of flammable anesthetics.
Operating Instructions

A daily check and preliminary operation of the controls is recommended to ensure proper mechanical operation prior to patient use. **CAUTION: DO NOT HOLD SWITCH BUTTON DOWN AFTER BARS HAVE REACHED THEIR LIMIT OF TRAVEL, AS DAMAGE MAY RESULT.**

Electric Height and Width Adjustments

For electric height and width parallel bars. Use the hand-held electric controls to raise and lower the bars independent of each other, from a minimum of 27 inches to a maximum of 37 inches above the platform. Use the hand-held electric controls to move the bars inward (toward the center) or outward, with a width range of 14 1/2” to 27 1/2”.

Electric Height with Manual Width Adjustments

For electric height parallel bars. Use the hand-held electric controls to raise and lower the bars independent of each other, from a minimum of 27 inches to a maximum of 37 inches above the platform. Turn the manual control knobs to move the bars inward (toward the center) or outward, with a width range of 16” to 24”.

Manual Height and Width Adjustments

For Platform and Folding parallel bars. To adjust the height, loosen the black knob and remove the locking pin in each of the four upright legs. Raise or lower the bar to the desired height. Insert the locking pins into the nearest positioning hole. Hand-tighten the black knobs.

<table>
<thead>
<tr>
<th></th>
<th>Height Range</th>
<th>Width Range</th>
<th>Clearance Between Uprights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platform Parallel Bars</td>
<td>26” to 44”</td>
<td>13-1/4” to 25-1/4”</td>
<td>29-1/4”</td>
</tr>
<tr>
<td>Folding Parallel Bars</td>
<td>22” to 36”</td>
<td>14-1/4” to 27-1/2</td>
<td>32-1/2”</td>
</tr>
<tr>
<td>Wood Base</td>
<td>22” to 36”</td>
<td>10” to 23-1/2</td>
<td>27-1/2”</td>
</tr>
<tr>
<td>Steel Base</td>
<td>22” to 36”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Cleaning and Disinfecting Surfaces

Unplug the power cord before cleaning or disinfecting.

- Periodically wipe the bars off with a damp cloth or with mild soap and water.
- Disinfect by scrubbing with an approved germicidal solution. After scrubbing, rinse with a wet cloth and allow to dry.

Insure your hands are dry and the power cord and plug assembly are dry when reconnecting the power cord to the outlet.
Maintenance & Service

**WARNING!**

AN ELECTRIC SHOCK HAZARD MAY EXIST WHEN ELECTRICAL COVERS HAVE BEEN REMOVED. IN ADDITION, THE MECHANICAL ACTION OF THE BARS MAY SUBJECT THE REPAIR PERSON TO SIGNIFICANT SHEARING AND CRUSHING FORCES. THEREFORE, REPAIR MUST BE PERFORMED ONLY BY QUALIFIED PERSONNEL WHO SHOULD PROCEED WITH CARE AND USE PROPER SERVICING TECHNIQUES. SERVICING BY UNQUALIFIED PERSONNEL MAY VOID THE REMAINDER OF THE WARRANTY.

The parallel bars described in this manual offer some user-serviceable parts. This section offers suggestions for periodic maintenance inspections as well as instructions for specific service or repair that may be performed by the user. For assistance with any service-related matter or to obtain needed replacement parts, contact Dynatronics’ Customer Service department at 1-800-874-6251. NOTE: Only technically qualified personnel should attempt to service or repair this equipment.

**Trouble-Shooting Guide**

1. Should the controls fail to operate:
   - Check to insure that the wall outlet is working.
   - Check to insure that the plug is fully inserted at its connections at both ends of the cord.
   - Check to insure that the switch assemblies are connected correctly.
   - Ensure that no objects are pressing on the pneumatic cable, or that the cable is not sharply bent to prevent pneumatic operation.
   - The motor is protected by a thermal overload device. Should this safety device trip or disengage, let the motor cool for 15 minutes before operating the bars.
   - If the unit is still inoperable, contact Dynatronics’ Customer Service department.

2. Periodically inspect power cord and plug for frayed wires and/or damaged insulation. If damage is found, the cord must be replaced.

**Upper and Lower Limit Switches**

**CAUTION!** The upper and lower limit switches are located inside the motor gear box assembly. They are pre-set at the factory and should NOT be adjusted. Any adjusting or tampering of the limit switches will void the warranty and could cause personal injury and/or damage to the product.
Returning Items For Repair

If service on this product is required, it will normally not be necessary to return the entire unit to Dynatronics. Repairs are performed locally whenever possible. However, it may be necessary to return some parts, such as a motor. If it is necessary to return any part to Dynatronics, the following procedure should be observed.

**Return Authorization:** A RETURN AUTHORIZATION (RA) number from Dynatronics is required before any items may be shipped to Dynatronics. Contact Dynatronics Customer Service at 1-800-874-6251 to obtain the RA number. The following information must be supplied:

1. User name and address (or dealer/distributor)
2. User phone number
3. Serial number of the unit
4. A description of the problem with the product.

**Packaging and Shipping of Replacement Parts:** All defective or broken parts should be shipped back to Dynatronics properly packaged to prevent damage in transit. The person or company sending the unit to Dynatronics is responsible for any shipping damage resulting from poor packaging.

**Other Technical Information Available**

Dynatronics will make available on request component part lists, descriptions, repair instructions or other information which will assist the user’s qualified technical personnel to repair those parts of the equipment which are designated by Dynatronics as repairable.
Specifications

NOTE: Specifications for customized parallel bars will be slightly different from those listed below.

General Specifications (for units with electric controls)

Power requirements: 110-240 V~
Current: 3 Amps
Frequency: 60 Hz
Phase: Single Phase

60 Hz Leakage Currents:
- Normal: 1μa or less
- Maximum Leakage: 100μa or less (Typ. 18μa)

Grounding Characteristics:
- Resistance from ground pin on power plug to exposed metal surfaces: .1 Ohm or less (Typ. .08 Ohms)

Electric Height & Width Parallel Bars

<table>
<thead>
<tr>
<th>Model#</th>
<th>Length</th>
<th>Approx Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPB102</td>
<td>10’</td>
<td>490 pounds</td>
</tr>
<tr>
<td>EPB152</td>
<td>15’</td>
<td>700 pounds</td>
</tr>
</tbody>
</table>

Width Range: 14 1/2” to 27 1/2”
Width between uprights: 30 1/2”
Handrails: 1 5/8” stainless steel
Manual override crank
Removable abduction board
Brackets for child bar
Maximum uninterrupted motor operation: 30 seconds on, 170 seconds off
Standard Features: Hand control.

Electric Height Parallel Bars

<table>
<thead>
<tr>
<th>Model#</th>
<th>Length</th>
<th>Approx Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPB101</td>
<td>10’</td>
<td>420 pounds</td>
</tr>
<tr>
<td>EPB151</td>
<td>15’</td>
<td>440 pounds</td>
</tr>
</tbody>
</table>

Width Range: 16” to 24”
Handrails: 1 5/8” stainless steel
Manual override crank
Removable abduction board
Brackets for child bar
Maximum uninterrupted motor operation: 30 seconds on, 170 seconds off
Standard Features: Hand control.
### Platform Parallel Bars

<table>
<thead>
<tr>
<th>Model#</th>
<th>Length:</th>
<th>Approx Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB7P</td>
<td>7’</td>
<td>290 pounds</td>
</tr>
<tr>
<td>PB10P</td>
<td>10’</td>
<td>345 pounds</td>
</tr>
</tbody>
</table>

Height Range: 26” to 44”
Width Range: 13-1/4” to 25-1/4”
Clearance between uprights: 29-1/4”
Handrails: 1 5/8” stainless steel
Wood Base: 34” wide

NOTE: Custom Model PB10PW is available providing a Wood Base width of 38” wide and clearance between uprights of 33-1/4”

### Folding Parallel Bars

<table>
<thead>
<tr>
<th>Model#</th>
<th>Length:</th>
<th>Base</th>
<th>Approx Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB7F1</td>
<td>7”</td>
<td>Wood</td>
<td>120 pounds</td>
</tr>
<tr>
<td>PB10F1</td>
<td>10’</td>
<td>Wood</td>
<td>145 pounds</td>
</tr>
</tbody>
</table>

Height Range: 22” to 36”
Width Range: 14-1/4” to 27-1/2”
Clearance between uprights: 32-1/2”
Handrails: 1 5/8” stainless steel
Wood Base: 7” wide x 36” long x 1” thick
Steel Base: 5” wide x 42” long x 3/8” thick

<table>
<thead>
<tr>
<th>Model#</th>
<th>Length:</th>
<th>Base</th>
<th>Approx Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB7F1S</td>
<td>7</td>
<td>Steel</td>
<td>160 pounds</td>
</tr>
<tr>
<td>PB10F1S</td>
<td>10’</td>
<td>Steel</td>
<td>200 pounds</td>
</tr>
</tbody>
</table>

Height Range: 22” to 36”
Width Range: 10” to 23-1/2”
Clearance between uprights: 27-1/2”
Handrails: 1 5/8” stainless steel
Wood Base: 7” wide x 36” long x 1” thick
Steel Base: 5” wide x 42” long x 3/8” thick
Warranty

DYNATRONICS CORPORATION warrants this product except motor(s) to be free from factory defects in materials and workmanship under normal use for TWO YEARS from the date of purchase by the original owner. The motor(s) for the parallel bars are warranted for the original manufacturer’s warranty period of ONE YEAR. If this product is defective within the warranty period, DYNATRONICS will, subject to the conditions set forth below:

(1) repair or replace defective parts at no charge within a reasonable period of time with new or remanufactured parts, at DYNATRONICS’ option; and

(2) provide labor for the repair or replacement of defective parts under this warranty without charge.

Parts used for replacement under this warranty are warranted for the remainder of the original warranty period. THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS SHALL CONSTITUTE THE SOLE AND EXCLUSIVE REMEDY IN THE EVENT OF A BREACH OF WARRANTY. Dynatronics may specify whether the product or part must be shipped to Dynatronics for repair, or whether the repair will be performed on-site by a qualified technician approved by Dynatronics.

REGISTRATION REQUIRED. In order for this warranty to be valid, the warranty registration page (included in this operator’s manual) must be filled out and returned to DYNATRONICS within 10 days of the date this product is delivered to the original owner. A copy of an invoice or receipt may be requested to verify purchase date.

REPAIRS. All repairs must be performed by qualified personnel. Any modifications or repairs by unqualified parties will void this warranty.

OBTAINING WARRANTY SERVICE. Authorization by DYNATRONICS is required before obtaining service under this warranty. Call DYNATRONICS CUSTOMER SERVICE at 1-800-874-6251 to make arrangements for warranty service.

PACKAGING AND SHIPPING. Any item shipped to an authorized service facility for service under this warranty must be in the original shipping carton, freight prepaid, fully insured, and/or otherwise properly packed to prevent damage. DYNATRONICS is not liable for any damage to the item while in transit. Include a summary of the problem with the product. Write the return authorization number obtained from DYNATRONICS on the shipping label.

SHIPPING COSTS. Within the first 30 days of the warranty period, DYNATRONICS will pay all necessary shipping costs associated with obtaining service under this warranty. After the first 30 days of the warranty period, the owner is responsible for all costs associated with shipping the product or part to an authorized service facility. DYNATRONICS will pay all costs associated with shipping the product or part back to the owner after service is completed, and will ship the product using the same carrier or type of carrier and service that was used by the owner for the incoming shipment.

EXCLUSIONS. Any defect, malfunction or failure caused by or resulting from improper installation, service, maintenance or repair, or from abuse, neglect, transportation, accident, act of God, or other cause beyond the control of DYNATRONICS will not be covered by this limited warranty. ANY IMPLIED WARRANTIES COVERING THIS PRODUCT, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO TWO YEARS FROM THE DATE OF PURCHASE BY THE ORIGINAL OWNER. DYNATRONICS SHALL NOT IN ANY CASE BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, INDIRECT, OR OTHER SIMILAR DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY EVEN IF DYNATRONICS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

For more information concerning repairs, operation, or technical assistance, please contact the DYNATRONICS dealer nearest you, or contact DYNATRONICS directly at 1-800-874-6251.
Warranty Registration

TO REGISTER THE WARRANTY FOR YOUR DYNATRONICS PRODUCT, REMOVE THIS SELF-MAILER PAGE, COMPLETE ALL INFORMATION REQUESTED, AND MAIL TO DYNATRONICS.

PLEASE TYPE OR PRINT PLAINLY:

Purchase Date _______________________________ Type of Practice _______________________________
(month, day & year required)

Serial No. ________________________________ Model Number ________________________________

Practitioner/Contact Name _______________________________________________________________________

Clinic/Institution Name __________________________________________________________________________

Address _____________________________________________________________________________________

__________________________________________________________________________________________ Phone ________________________

City: ___________________________________________ State ____________ Zip ___________________

Dynatronics Dealer __________________________________ Salesperson ____________________________

☐ I have read and understand the information contained in the operator's manual for this product.
☐ I have received instructions from my dealer and/or Dynatronics for operation of this product.

IMPORTANT: If there is anything about the operation or use of your Dynatronics product that you do not understand, contact your dealer or Dynatronics for instruction. As a trained medical practitioner, you are solely responsible for determining appropriate application of this product for your patients.

BEFORE RETURNING ANY PART OF THIS PRODUCT TO DYNATRONICS FOR SERVICE, YOU MUST FIRST OBTAIN A RETURN AUTHORIZATION NUMBER. CALL 1-800-874-6251. Failure to register the warranty may result in a delay in completion of services, and service will be billable.