
MODEL 551412E & 551412EL

Midland Bariatric Motorized Height Parallel Bars

Operation and Service Guide

GENERAL PURPOSE

The purpose of the Parallel Bars is to provide a safe environment in which various aspects of ambulating a patient may be performed and to assist in gait training.

SET UP 1412/1412D

Model 1412/1412D is completely assembled and ready to use. If any part is missing (see illustration drawings and parts list on page 5) or damaged, please call customer service at Sammons Preston at **1-800-228-3693**.

Set up the Parallel Bars in a location that allows ample clearance around and above the bars, and has access to the needed power supply. The unit is shipped with a 3-pole male hospital grade 15 amp plug. To maintain adequate grounding, the unit must be plugged into a 3-pole receptacle (preferably a hospital grade) that is correctly wired to the building power system.

SETUP 1412E/EL

After uncrating the parallel bars, set them in the desired location in such a way that there is ample clearance around, above, and below the parallel bars. Inspect the power cord, plug, controls, and frame for damage. Report any shipping damage to carrier immediately.

The unit is shipped with a three-pole male hospital grade 15 amp plug. To maintain adequate grounding, the unit must be plugged into a three-pole receptacle (preferably a hospital grade) that is correctly wired to the building power system.

The parallel bar is now ready for use. Please refer to "Method of Operation" before continuing.

METHOD OF OPERATION

The Physician/Technician, by means of a hand-held control switch, activates the motor gear drive assembly which raises and lowers the bars from a minimum of 27 inches to a maximum of 37 inches above the platform. Each bar is adjusted separately by means of the same hand-held switch. Do not hold switch button down after bars have reached their limit of travel in either direction, as it may damage the motor. The typical setting of the bar height is at the greater trochanter

The width is adjusted by turning the four black knobs on the ten foot model (1412) or the six black knobs on the fifteen foot model (1412D) counter-clockwise and sliding the stainless bars to the desired position. The bars are adjustable from a minimum of 16 inches to a maximum of 27 inches between bars. After the desired width is set, turn each black knob clockwise with enough force to hold the bars in place (hand tight).

The width is adjusted separately by means of the same hand-held switch (1412E & 1412EL). Do not hold switch button down after bars have reached their limit of travel in either direction, as it may damage the motor. The bars are adjustable from a minimum of 16 ½ inches to a maximum of 27 inches between bars. To a set, turn each black knob clockwise with enough force to hold the bars in place (hand tight).

NOTE: The uprights that support the bars are 30 ½ inches apart, allowing easy access of a standard wheelchair onto and down the platform.

CAUTION

Never leave a patient unattended on this unit.

Always inform the patient of the procedure before beginning.

A safety belt strapped around the patient's waist is strongly recommended to aid in better control of the patient.

ENVIRONMENTAL CONDITIONS FOR TRANSPORT AND STORAGE

Temperature: -40° C to +70°C
Relative Humidity: +10% to 100%
Atmospheric Conditions: 500 hPa to 1060 hPa

ENVIRONMENTAL CONDITIONS FOR USE

Temperature: 10° C to +40°C
Relative Humidity: +10% to 95%
Atmospheric Conditions: 500 hPa to 1060 hPa

GROUNDING CHARACTERISTICS

Resistance from ground pin on power plug exposed metal surfaces - 0.1Ω or less (TYP: 0.08Ω)

WARRANTY

The models 1412E & 1412EL are guaranteed to be free from defects in material and/or workmanship under normal use and service for a period of five years from the date of purchase. The above guarantee is null and void if unauthorized repair and/or modification is performed on the units.

CLEANING

"UNPLUG UNIT BEFORE ATTEMPTING ANY CLEANING AND/OR DISINFECTING"

Infective material should be removed by scrubbing with an approved germicidal solution. After scrubbing, rinse with a wet cloth and allow to dry.

CAUTION

Insure that your hands are dry and that the power cord and plug assembly has ample time to dry before plugging the unit back into the wall outlet.

PREVENTATIVE MAINTENANCE 1412/1412D

- ☛ Frequently inspect the power cord and plug for frayed wires and/or damaged insulation.
- ☛ Gears should be checked every six months for adequate grease. Use Lubricate No. 630AA or equivalent.

TROUBLE SHOOTING GUIDE 1412/1412D

Should the unit fail to operate:

1. Check to ensure that the wall outlet is working.
2. Check to ensure that the AC plug is inserted fully.
3. The motor is protected by a thermal overload device. Should this safety device trip or engage, let the motor cool down for 15 minutes before operating the unit.
4. If the parallel bars are still inoperable, see the service section for instructions on contacting Sammons Preston.

WARRANTY

The model 1412 & 1412D are guaranteed to be free from defects in material and/or workmanship under normal use and service for a period of 5 years from date of purchase. The above guarantee is null and void if unauthorized repair and/or modification is performed on the unit.

SERVICE 1412/1412D

If a defect is detected or if the parallel bars require service, contact the Sammons Preston customer service department at **1-800-228-3693**. Please provide the Customer Service Representative with the following information:

- ☛ Sammons Preston item number (if known)
- ☛ Product serial number
- ☛ Specific problems and/or parts involved (see part list)
- ☛ Facility name, contact name, shipping address and phone number

If the parallel bars are still under warranty, Sammons Preston will work with you to correct the defect (either by sending replacement parts or by bringing the unit back for repair if necessary). If the parallel bars are out of warranty, repair parts can be purchased and sent to you.

SERVICE 1412E/EL

FORWARD - The following information is intended as a guide for technically qualified personnel during repair of this equipment.

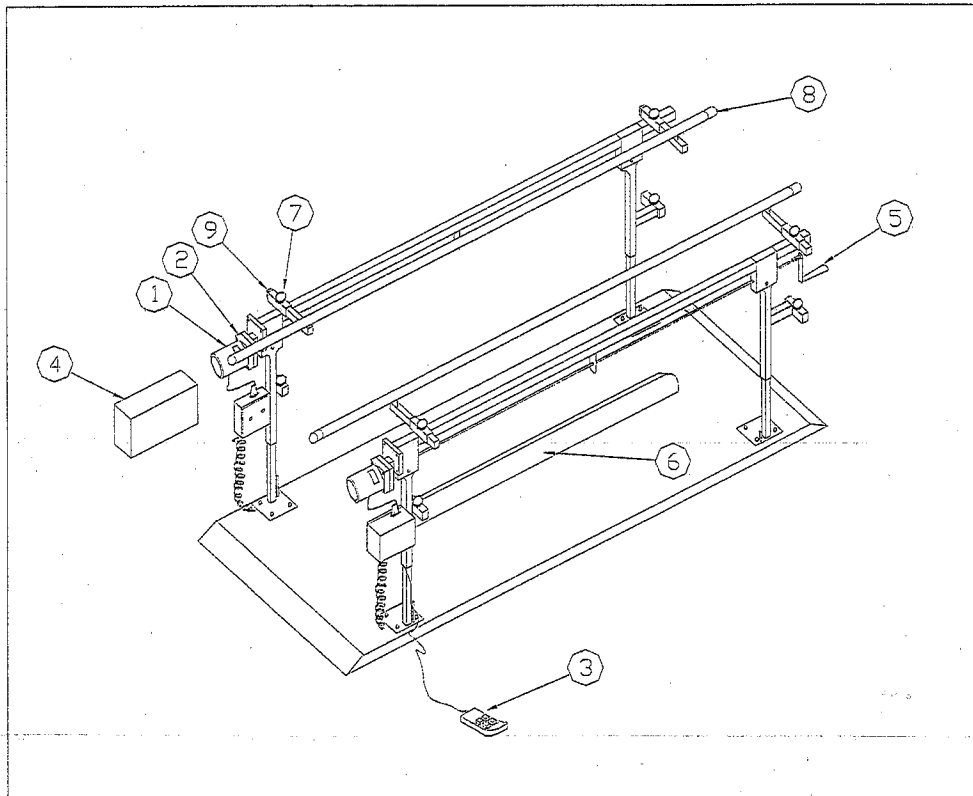
WARNING

*An electrical shock hazard may exist when the motor covers and control boxes have been removed. In addition, the mechanical action of the unit may subject the repair person to significant shearing and crushing forces. Therefore, repair **must** be performed by technically qualified personnel who proceed with care and use proper servicing techniques.*

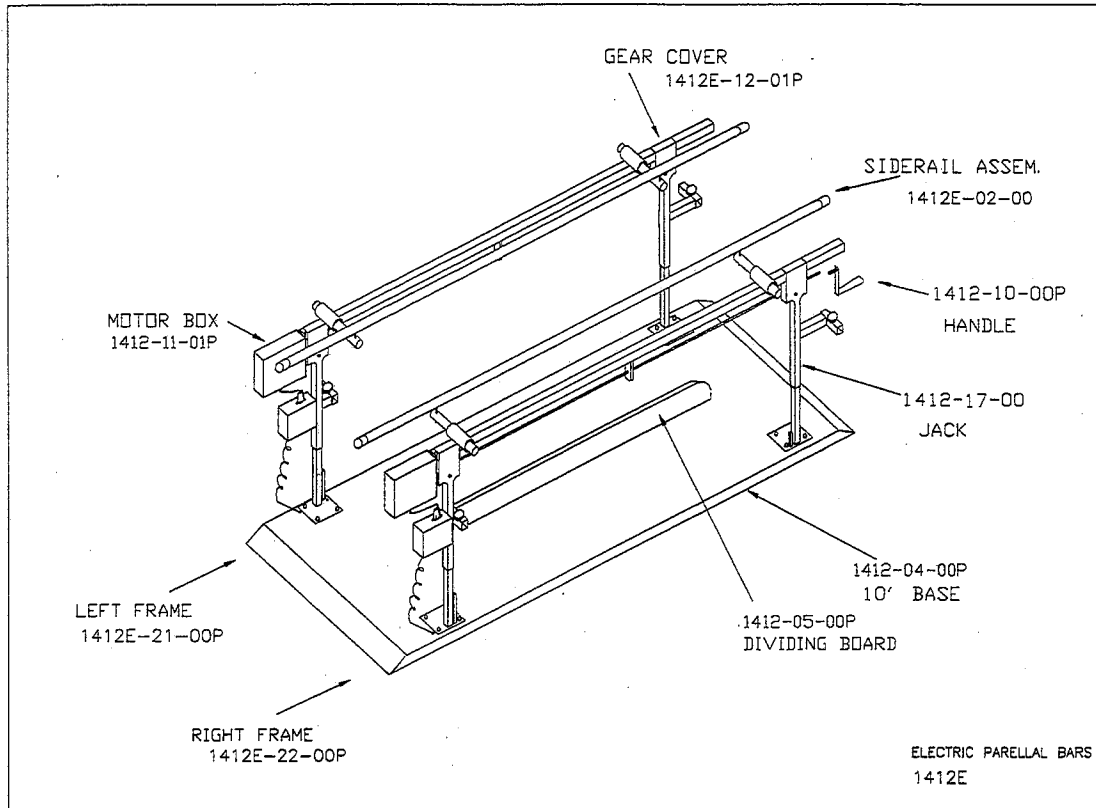
Note: *Unauthorized servicing may void the remainder of the warranty. Check with Sammons Preston to determine the warranty status of a particular unit.*

Replacement Parts list 1412/1412D

No.	Part No.	Description	Qty.
1	MT2041/MT2078	Oriental Motor 115v/220v -----	2
2	MT2051	Gear Head 3RK15GN -----	2
3	MT2129	Double Hand Control Switch -----	1
4	1412-11-01P	Motor Box Cover -----	2
5	1412-10-00H	Handle Assembly -----	1
6	1412-05-00P	Dividing Board -----	1
7	HW3482	Knob 3/8 - 16 x 1" -----	6
8	HW3436	Round Cap 1 1/2" -----	4
9	HW3441	Sq. Plug 1" Square GA14 -----	8



Parts Diagram



SPECIFICATIONS		
	551412/551412D/551412E	551412EL
DIMENSIONS		
LENGTH	10'	15'
PLATFORM WIDTH	45"	45"
WIDTH BETWEEN UPRIGHTS	41"	41"
BAR WIDTH	23 ½" TO 36"	23 ½" TO 36"
BAR HEIGHT	27" TO 39"	27" TO 39"
POWER REQUIREMENTS		
VOLTAGE	120 VAC	120 VAC
CURRENT	3 AMPS	3 AMPS
FREQUENCY	60 Hz	60 Hz
PHASE	SINGLE	SINGLE
SAFE WORKING LOAD	500 LBS	500 LBS