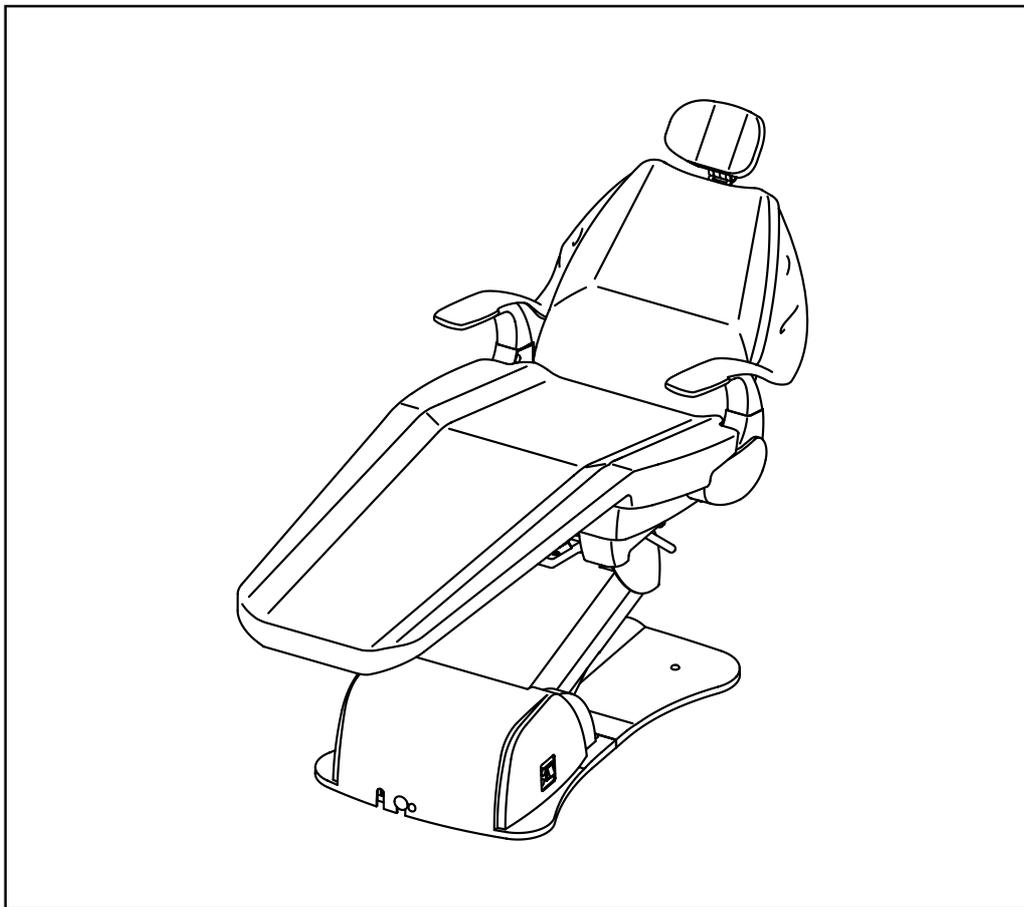


X-CALIBUR V

BEL-50

DENTAL CHAIR



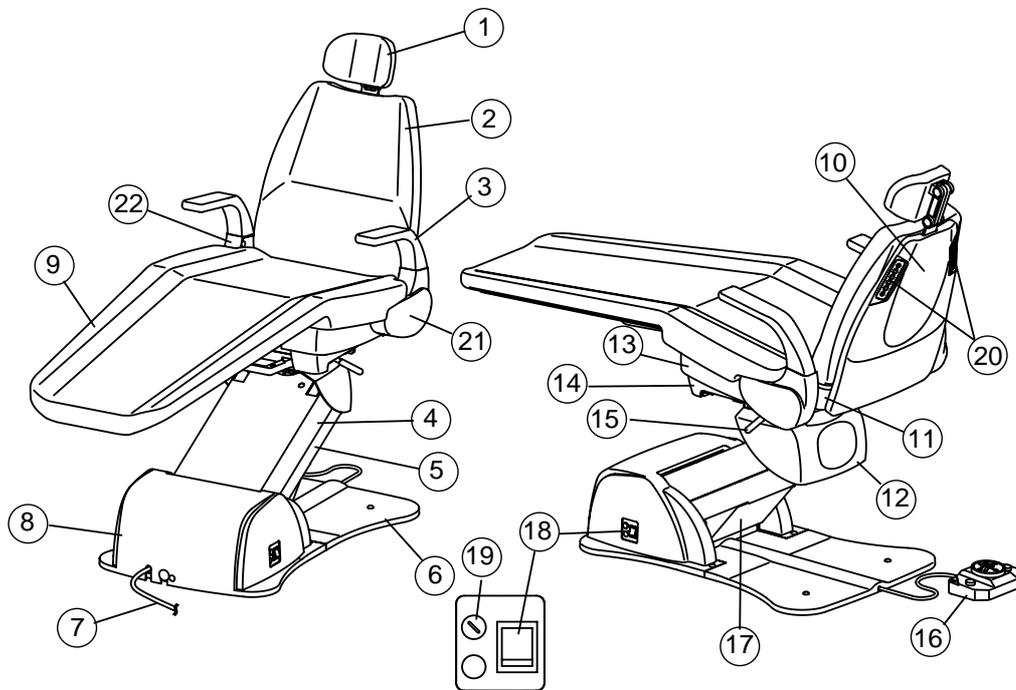
**OPERATING
INSTRUCTIONS**

Belmont[®]

Thank you for purchasing a Belmont dental chair.

Please read this booklet completely to familiarize yourself with the operation and care of your new X-Calibur V chair.

It is recommended that you retain this booklet for future reference.



- | | | |
|-----------------------|---------------------------|-----------------------------|
| 1. Headrest Assembly | 9. Seat Cushion | 17. Sub Link Cover(Lower) |
| 2. Backrest Cushion | 10. Backrest Cover | 18. Main Power Switch |
| 3. Armrest | 11. Seat Back Support | 19. Fuse Holder |
| 4. Main Link Cover | 12. Dome Casting Cover | 20. Backrest Control Panels |
| 5. Sub Link Cover | 13. Tilt Cover | 21. Side Frame (Left) |
| 6. Base Cover | 14. Rotating Flange Cover | 22. Side Frame (Right) |
| 7. Power Supply Cable | 15. Rotation Lock Lever | |
| 8. Pump Cover | 16. Foot Control Ass'y | |

Figure 1

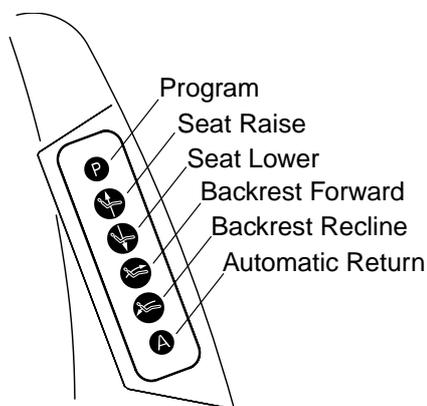


Figure 2
BACKREST CONTROL

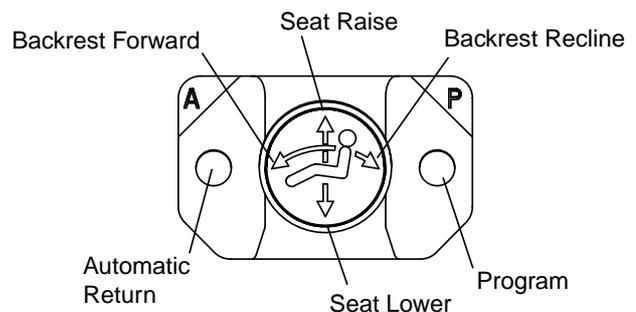


Figure 3
FOOT CONTROL

1) Seat Height Adjustments

- a. Raise the seat by pressing foot, backrest or touchpad control labeled with a chair symbol identified by an arrow pointing in the UP direction.
- b. Lower the seat by pressing foot, backrest or touchpad control labeled with a chair symbol identified by an arrow pointing in the DOWN direction.



2) Backrest Adjustments

- a. Raise the backrest by pressing foot, backrest or touchpad control labeled with a chair symbol identified by an arrow pointing in the FORWARD direction.
- b. Lower the backrest by pressing foot, backrest or touchpad control labeled with a chair symbol identified by an arrow pointing in the RECLINE direction.



3) Programming a Seat Position

One pre-set chair position can be stored in memory for repetitive use as follows:

- a. Set backrest angle and seat height at desired position using foot, backrest or touch pad controls.
- b. Hold program button or switch labeled (P) until buzzer sounds (approximately 20 seconds), then release.



Chair position has been stored in the chair memory.

4) Automatic Return

Chair can be returned to the patient entry/exit position by momentary pressing the button or switch labeled (A) on the foot, backrest or touchpad controls.



5) Safety Plate

The chair has been designed with a safety plate mechanism that stops all chair motion if it is lowered onto an object.

This feature prevents accidental injury to the user.

Note: Chair motion can be stopped at any time by pressing any control button or switch.

6) Armrest Rotation

Armrests rotate outward 180 degrees.

Caution: To avoid damage to armrests and chair mechanisms, be certain that armrests are not positioned over the backrest during backrest position adjustment

7) Seat Rotation

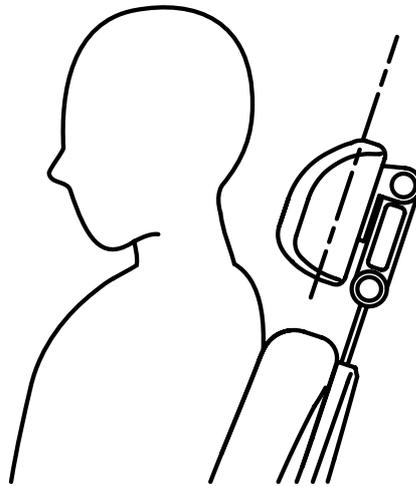
Seat may be rotated 30 degrees to the right or left of center.

Seat position is locked or released using lever shown in Figure 1.

7) Positioning the Belmont Articulating Headrest

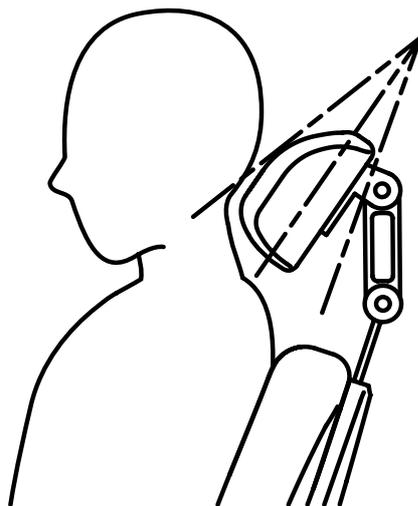
Seat patient upright and all of the way back on the chair.

Position the bottom of the headrest cushion so it is even with the occipital of the patient's head.



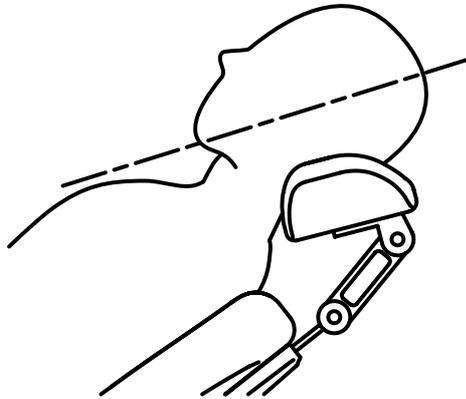
Viewing the lower arch :

Using the latch release button (white), pivot the headrest cushion halfway toward the patient's head.



Have the patient lean back on the headrest.

Using the chair controls, place the patient in the desired operating position.



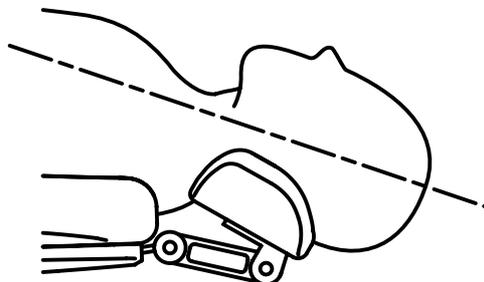
Viewing the upper arch :

Lower the backrest and raise the base of the chair.

Slide the headrest in.

Support the patients head/headrest cushion while pressing latch release button.

Tilt the headrest cushion until the desired upper arch position is obtained.



Care and Maintenance
X-Calibur V Chair Model BEL-50

**Do not spray liquids directly onto chair surfaces.
In order to prevent damage to electrical
components and systems, do not apply
excess cleaning solution onto chair surfaces.**

Routine Care

Clean plastic and upholstery surfaces regularly using a mild soap and water solution. When cleaning, use a dampened cloth only, as excess cleaning solution can flow into the chair and cause permanent damage to electrical components.

Barrier Technique

Use of disposable barrier products should be the first choice for the protection of dental equipment. Disinfectants leave behind a surface residue that accumulates over time and eventually damages equipment and upholstery surfaces.

Chemical Disinfection

If a chemical disinfectant is to be used on chair or upholstery surfaces, contact the manufacturer of the disinfectant prior to use.

Obtain verification from the disinfectant manufacturer that their product will not damage the chair or upholstery surfaces.

Unacceptable Disinfectants

The following chemicals may damage equipment and upholstery:

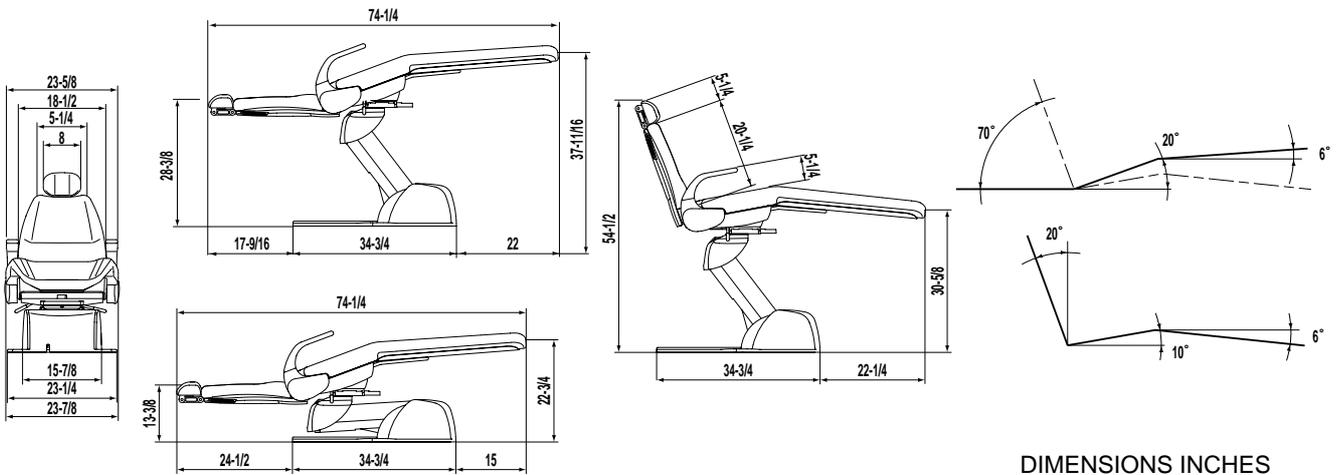
- * Alcohol based solutions
- * Bleach
- * Phenol / Alcohol combinations
- * Foam spray products

Use with Caution

- * Water based phenolic disinfectants, following manufacturer's exact instructions for use.

**Warranty does not cover damage to equipment and upholstery
caused by disinfectant solutions.**

SPECIFICATIONS



DIMENSIONS INCHES

- * Power sealed hydraulic system powered by 4.6 A motor pump
- * Base plate: 1/2" steel
- * Bearings at link points - low friction in steel jacket.
- * Steel seat cradle
- * Steel backrest support
- * Electrical requirements: 115 VAC, 4.6 A
- * Hospital grade plug
- * Base component housing formed from solid color acrylonitrile ethylene styrene (AES)
- * All exposed ferrous parts covered with corrosion-resistant paint or plating
- * Weight: 381 lbs. (173 kg)

LIMITED WARRANTY

Belmont chairs are warranted to the original owner/user against failure of mechanical and electrical parts, material, and workmanship, for a period of five (5) years, from the date of installation, subject to normal use. Belmont is not responsible for failure caused by abuse by the owner, patient, or other personnel, or by acts of uncontrollable nature. Labor for repair or replacement is not included. Upholstery is warranted for one year; Belmont cannot be responsible for damage to surface finishes caused by disinfectants; always follow the disinfectant manufacturer's instructions for use. No other warranties as to merchantability, or otherwise, are made.

NOTE: 5-year warranty applies to dental chairs purchased from, and installed and serviced by an authorized dealer. For this warranty to be in effect, the dealer must, upon installation, fill in and purchaser must keep this card with the following information.

Model No. _____	Serial No. _____
Date of Installation _____	Ref. No. _____ Date _____
Purchaser _____	Dealer: _____
Street _____	Street _____
City _____	City _____
State _____ Zip _____	State _____ Zip _____

Belmont®

MEMO



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