

America's Dental Equipment Company

AM3, AM4 and Infinity  
Dental Chair

Owners Guide



Rev 5/14

**Dansereau**

**(800)423 - 5657 / WWW.DHPDENTAL.COM**

# DANSEREAU HEALTH PRODUCTS, INC.

## AMERICA'S DENTAL EQUIPMENT COMPANY

Dansereau Health Products, Inc has been manufacturing Dental Equipment for over 40 years. We have compiled a significant amount of data and information regarding the manufacturing, use and maintenance of dental equipment. Information contained in this manual will assist you in use and maintenance of your Dansereau equipment. We offer the most comprehensive 10 year warranty on USA Manufactured dental equipment today.

Our Customer Service Department is the most progressive within the dental industry with an ever growing series of support documents and video available thru Email and the Internet . They are easily accessible and completely descriptive for the dentist, staff or any technician to use in the long term support of Dansereau Health Products, Inc.

### **SUPPORT ACCESS**

Dansereau Health Products, Inc.

1581 Commerce Street

Corona, CA 92879

Toll Free (800) 423-5657

(951) 549-1400

Fax (951) 549-1411

Website-[WWW.DHPDENTAL.COM](http://WWW.DHPDENTAL.COM)

### **TESTING LABORATORIES**

ETL Testing Lab.- Report #530937

Medical and Dental Equipment

Catelgory—6—UL 544-2nd Ed.

CAN/CSA Testing Laboratories- Report #531003

Canadian Standard for Medical Electrical Equip.

No 601.1—M90

US Food and Drug Administration

Medical Device Registry- #202716

### **DENTAL CHAIR SPECIFICATIONS:**

Lift Patient Capacity: 400Lbs.

Dental Chair Weight: 360lbs

Dental Equipment: Classification B (Inside Use Only) IPX4

# DANSEREAU HEALTH PRODUCTS, INC.

## AMERICA'S DENTAL EQUIPMENT COMPANY

### TECHNICAL DESCRIPTION:

The dental chair is used to position the patient so the oral cavity is in the desired position for the dentist to perform various dental procedures. The Dental chair is electromechanically operated. There are two dynamic functions, the base (up/down) and the back (forward/back). these functions are activated by use of either a foot switch or hand-operated touch pad.




The dental chair has the provision to mount additional dental equipment (over the patient delivery system refer to following sections for more information), therefore a stable base is included with the dental chair to accommodate such additions.

Power to the chair is either 115volts or 230volts. The power is delivered at 115volts directly to the circuit board microprocessor. 230volts is delivered thru a 230v transformer and to the circuit board microprocessor. Software in the microprocessor controls the movement of the dental chair. The dentist can program preset positions with this dental chair.

**The dental chair is classified as a Class 1 product under rule 1 of Annex IX of the MDD 93/42/EEC: accordingly, the provisions of Annex VII apply.**








NOTE: Regarding International Electrical Specification: Dansereau does not supply provisions for international power requirements. This will be configured by the equipment dealer in the country of destination.

### SAFETY AND IDENTIFICATION MARKINGS:

-  **CAUTION.** Failure to carefully follow the described procedure may result in damage to the equipment.
-  **WARNING.** Failure to carefully follow the described procedure may result in damage to the equipment and the operator.
-  Risk of electrical shock present. Make sure power is disconnected before attempting this procedure.

#### IEC Symbols

The following symbols conform to IEC labeling standards and may be located throughout the product:

-  AC (Alternating Current)
-  Protective earth (Ground)
- IPX4 Protected against splashing water
-  Attention: Consult accompanying documents
-  OFF
-  ON
-  Type B equipment (Protected against electrical shock)
-  Dangerous voltage

#### Safety Labels



(See *Definitions of Symbols* section)



# AM3 DENTAL CHAIR QUICK ASSEMBLY GUIDE

## Table of Contents:

**Terms and Conditions / Warranties / Support**

**Specifications and Testing Laboratories**

**Installation Guidelines**

**Operational Guide**

**Care and Maintenance of Surfaces and Cushions**

## **PAYMENT PROCEDURES:**

Personal and Business Checks, Master and Visa Credit Cards, Wire Transfers, Cashiers Checks and Money Orders.

## **DAMAGED FREIGHT**

Dansereau utilizes superior packaging procedures, however shipping accidents can occur. It is your responsibility to note any unusual conditions or subsequent damage to the shipping crate on the Bill of Lading prior to acceptance and signature for the product received from the freight carrier. After opening of boxes, concealed damage, should be noted and reported immediately to Dansereau and the freight carrier. All freight is shipped FOB, Corona CA. and although Dansereau is not responsible for the damage we will support you in all claims and will send replacement parts immediately.

## **PRODUCT RETURNS:**

Dansereau manufactured products are custom made and all orders are non cancellable.

## **WARRANTIES:**

Dental chair electric motors, wiring harnesses, oil less bushings, base and chair frame integral parts.-10 years ( 5 Years 100%, 5 Years Prorated accordingly)  
Circuit Boards and Chair Switches, Foot Control Operation –1 Year.

# SIMPLE ASSEMBLY GUIDE

Remove Chair Base  
from Shipping Pallet



1

Completed Seat Back  
and Motor Shaft Assembly



5

Gently Fold Seat Back To Meet  
Chair Top Motor Shaft



2

Remove Chair Top Cushion  
from Shipping Box



6

Insert Seat Back Bolt  
Thru Yoke and Motor Shaft



3

Install Seat Cushion Bolts and  
thread on Locking Nuts



7

Install Seat Back Nut  
On Seat Back Bolt, Tighten  
With Wrench and Allen Wrench



4

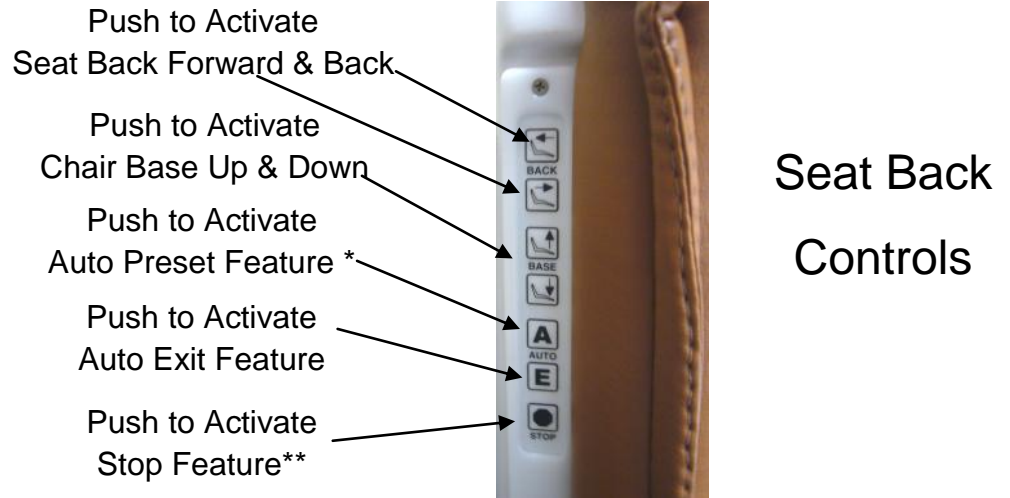
Install Seat Cushion  
Side Panels with  
Snaps and Velcro



8

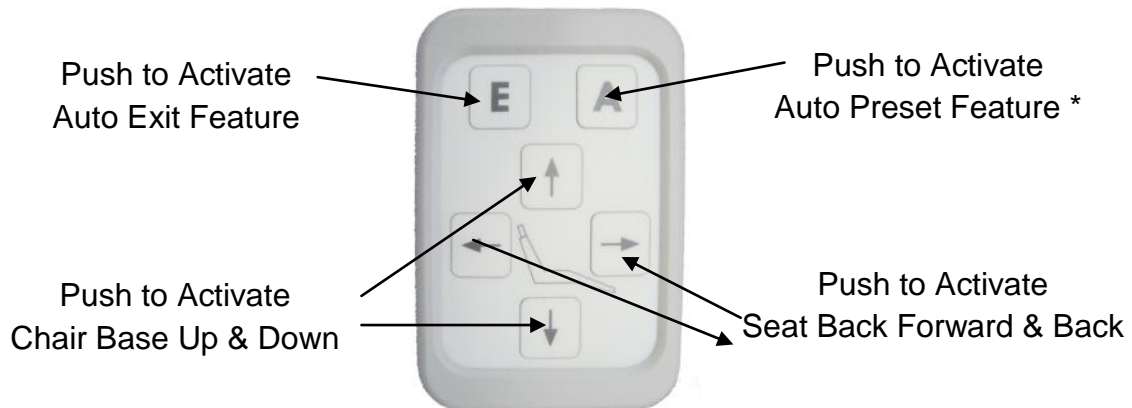
**Dental Chair is Assembled**

# OPERATING INSTRUCTIONS



SPECIAL NOTE: \* See How to Set Preset Function Below.  
\*\* Push any Button to Activate Stop Feature on the Chair.

## Module Controls



SPECIAL NOTE: \* See How to Set Preset Function Below.  
\*\* Push any Button to Activate Stop Feature on the Chair.

## Foot Controls



SPECIAL NOTE: \* See How to Set Preset Function Below.  
\*\* Push any Button to Activate Stop Feature on the Chair.

## ADJUSTABLE PRESET FEATURE

Chair is fully assembled.

- 1) Plug chair into power source. Typical convenience outlet within dental junction box or wall outlet



- 2) Using the Dental Chair Controls raise the chair base to its highest position and the back to its lowest position



- 3) Using the Dental Chair Controls recline the Seat Back to its lowest position and back to its upright position



- 4) Setting the Adjustable Preset. Using the Dental Chair Controls set the height and seat back position in the most desirable position. Leaving the Dental Chair in the “Most Desirable” position locate the Preset Button at the Front of the Base of the Dental Chair and depress for 10 seconds. Your adjustable Preset Feature is now set.



- 5) Return the Dental Chair to its Exit Position, base completely down and seat back all forward. Adjustable Preset now complete.

To cancel the Adjustable Preset and Exit Features disconnect, unplug the dental chair from the power source.

## DROP DOWN ARM MECHANISM

Dental Chair Arm is on a Cam. You need to pull Up and Forward to move the Dental Chair Arm.

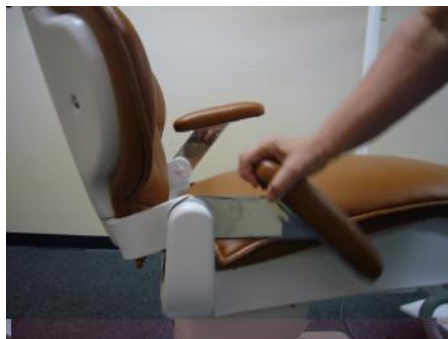
1) Grasp the Rear of the Dental Chair Arm Pad



2) Pull Up and Forward,. The Dental Chair Arm will move freely.



3) Carefully lower arm to down position



Reverse Process to Raise Arm Up



# CLEANING & DISINFECTING DENTAL EQUIPMENT

Infection control in the dental facility continues to be a high priority for all staff working within the dental office. OSHA, the ADA and CDC are all involved in this complex issue. Dansereau will not attempt to specify the required intervals for disinfection nor can they recommend the overall best surface disinfectant. You can refer to the appropriate organizations for more information on disinfecting your dental equipment.

## Techniques:

### Barrier Technique:

Dansereau does advocate the barrier technique whenever possible. The use of disposable barrier's, with changes between patient's, will ensure the finish and appearance will be preserved.

### Chemical Disinfection:

If Chemical Disinfection is the disinfection method of choice it is imperative that a mild soap and warm water be used once per day to mitigate the residual effects of Chemical Disinfection Solutions. When using Chemical Disinfection Solutions always pay strict attention to use detail, including appropriate measurements when using concentrated disinfection solutions. Disinfection Solutions, used in the recommended strength, can be relatively harmless to surfaced of dental equipment.

### Unacceptable Disinfectants

Disinfectants with the following compositions will harm the surface finishes of dental equipment and are not recommended Use of these products will void your warranty.

### **Chemical Composition**

### **Chemical Composition**

Strong Phenols/  
Phenol-Alcohol Combinations

Iodophors \*\*\*

Sodium Hypochlorite/  
Household Bleach

Mild Phenols

Glutaraldehyde / Phenol Sparys

Alcohol / Alcohol Based Wipes  
Household Cleaners

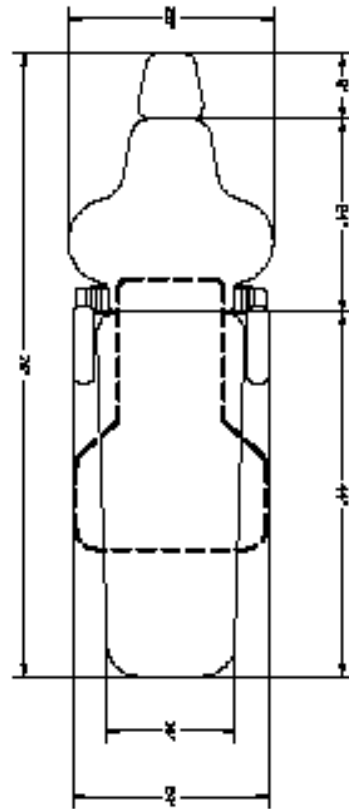
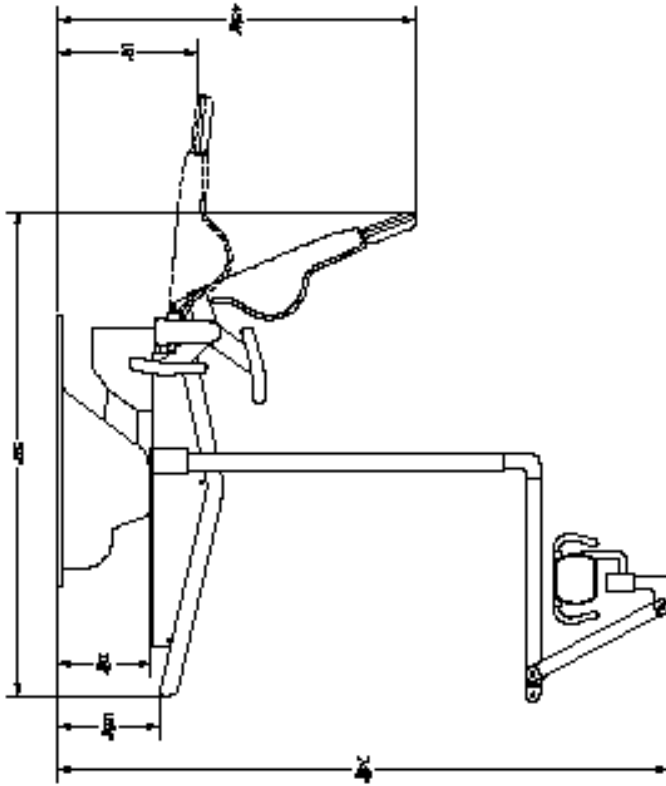
Synergized Super Quat

Phenol / Water Sprays

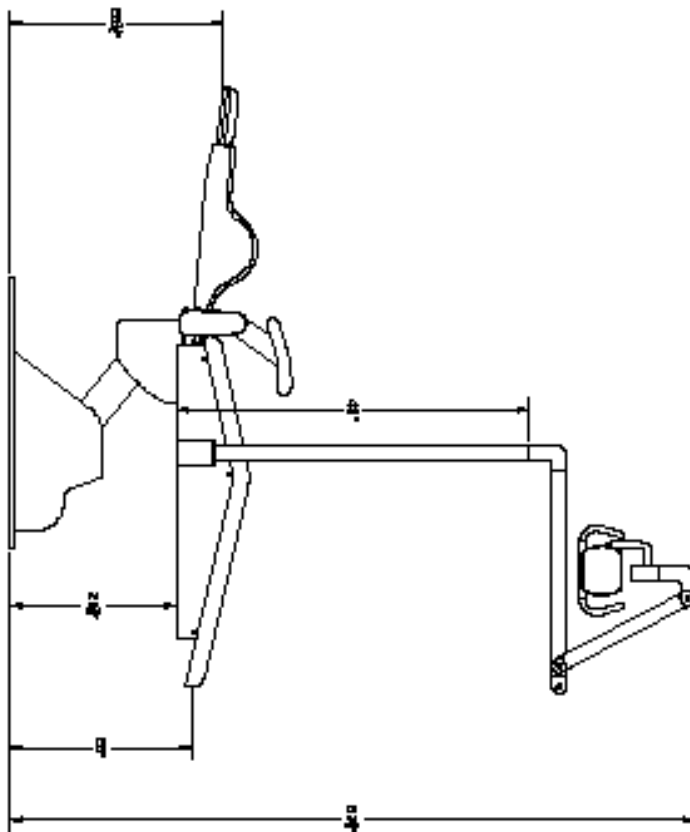
Damage and discoloration of the surface finishes caused by disinfectants are NOT covered by warranties.

Iodophor-based disinfectants will cause yellow staining on many surfaces. Regular washing with soap and water will minimize this staining. Iodophor neutralizers such as Promedyn are also available.

# INFINITY, AM3, AM4 DENTAL CHAIR DIMENSIONS



**AM3 CHAIR**



## Chair Base Motor Specs:

115v / 60hz—5.2A

Speed 8mm / sec.

F: 8000N

Thermally Protected

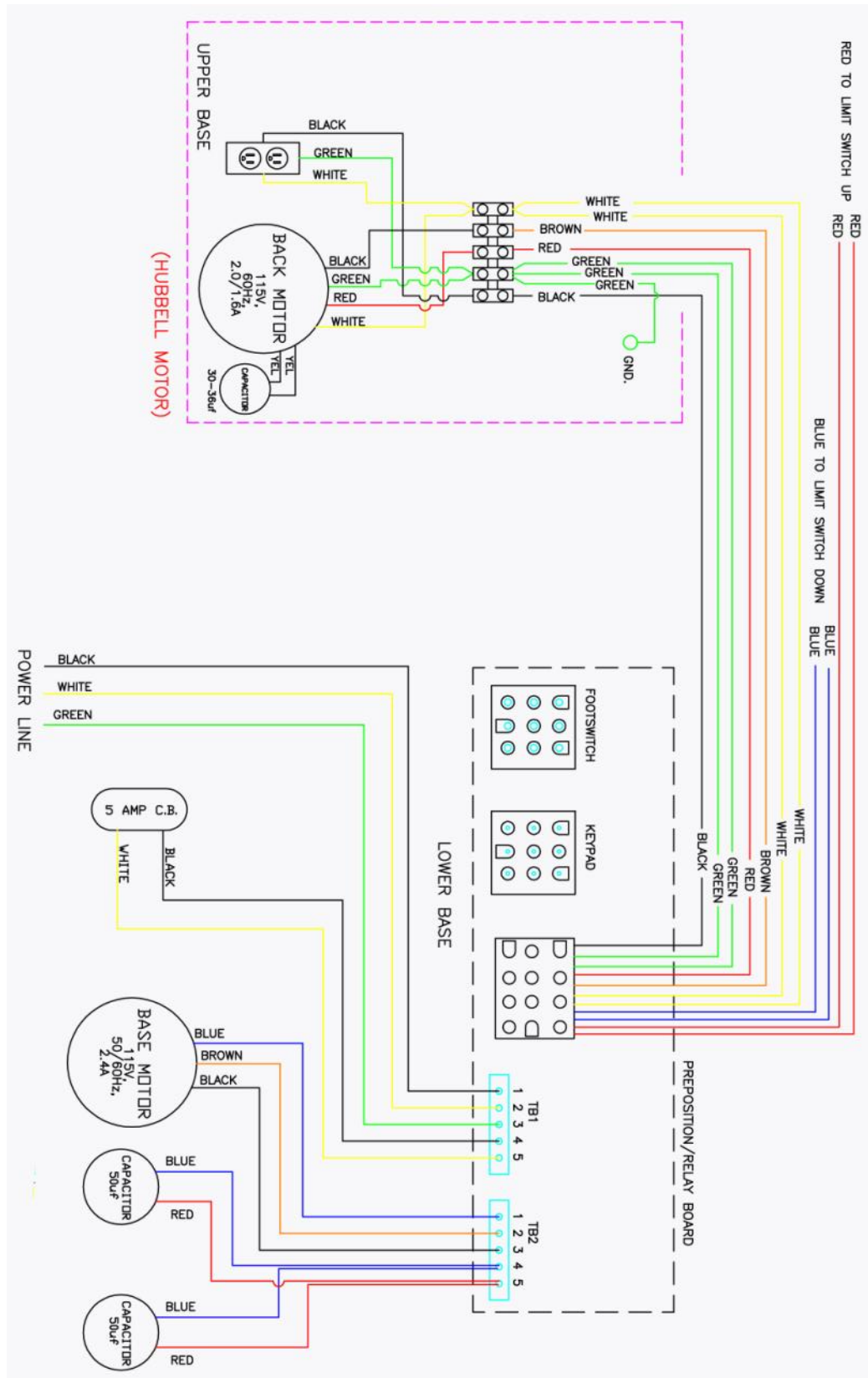
## Chair Top Motor Specs:

115V / 60hz—1.8A

Insulation Class B

Duty Cycle 1 on / 5 off min.

# INFINITY, AM3, AM4 DENTAL CHAIR SCHEMATIC



**CAUTION !!!**

**Power Source MUST BE Disconnected Prior to working on Electrical System.**

# MANUFACTURER'S WARRANTY

Dansereau has the most comprehensive product warranty programs available to the dentist today. We offer a 10 Year Warranty on our Dental Chairs complete features listed below:

Upon Installation you Dental Chair is registered automatically with the Dansereau 10 Year Warranty.

## 5 Years 100% / 6-10 Years Prorated Annually

Dental Chair Electric Motors, Chair Base Frame, Chair Frame and Wiring Harness's

## 1 Year 100%

Circuit Board and Prepositioning Switches.

## 6 Months 100%

Dental Chair Cushions Seam's and Foam

*Broken or User Damaged Items are Not Covered under Warranty.*

Minimum Maintenance is required in order to guarantee full use of warranties

Dansereau Dental Chairs do not require any lubrication or service. Dental Cushions will require routine cleaning in order to maintain asepsis in the Dental Office, care shall be taken to use approved cleaning solutions in order to maintain the finish and integrity of the dental seating.

## **GUARANTEE**

Dansereau will guarantee against defects in material and workmanship. Defective parts will be repaired or replaced: no claim for labor or consequential damages will be allowed. All replacement parts claimed defective will be filled in the usual manner, such invoice being subject to adjustment after the alleged defective material has been returned and inspected by the manufacturer. The warranty does not cover damage resulting from improper installation, maintenance, accident or misuse.