

America's Dental Equipment Company

Diamond Dental Light
Owners Guide



Rev 2/15

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.

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Toll Free (800) 423-5657

(951) 549-1400

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Website-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 LIGHT SPECIFICATIONS:

Dental Light Weight: 20lbs

Dental Equipment: Classification B (Inside Use Only) IPX4

DANSEREAU HEALTH PRODUCTS, INC.




AMERICA'S DENTAL EQUIPMENT COMPANY

TECHNICAL DESCRIPTION:

The dental light uses halogen reflective technology with a low voltage (12 volt) bulb to illuminate the oral cavity of the dental patient. The dental light is installed on the dental chair with a mounting post and moves vertically and horizontally with a series of internal and external pivot points. The dental light positioning is managed with a counter balance mechanism within the dental light arm. This is an adjustable spring counter balance mechanism that should not require adjustment once the equipment is installed. However, if adjustment is required contact Dansereau for complete instruction. The dual illumination intensities are supplied (High and Low). The dental light illumination field is also adjustable, you can either broaden or narrow the light pattern illuminating the patients oral cavity.








The power source for the dental light is 120v that uses a transformer to reduce the voltage to 12 volts for the halogen bulb.

SAFETY AND IDENTIFICATION MARKINGS:

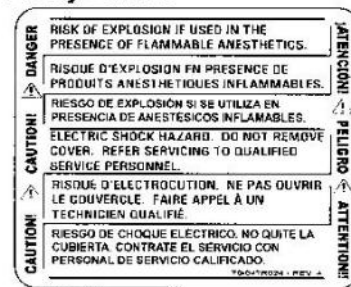
-  **CAUTION.** Failure to carefully follow the described procedure may result in damage to the equipment.
-  **WARNING.** Failure to carefully follow the described procedure may result in damage to the equipment and the operator.
-  Risk of electrical shock present. Make sure power is disconnected before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



DENTAL LIGHT ASSEMBLY GUIDE

1) Remove light arm from box



2) Thread Light Cord Thru Post



CAUTION: Make sure the light bushing is in the light post prior to installing light arm

3) Slide the Light Arm into the Light Bushing and post completely



4) Dental Light Arm Installed



on Dental Light Post

5) Remove Light Head from box

Light Collar



SPECIAL NOTE:

Dental Light Head has a glass reflector. Verify that it is intact (not broken) prior to installation. Visual inspection will suffice.

DENTAL LIGHT ASSEMBLY GUIDE

6) Plug the Light Arm and Light Head Connector—Firmly



7) Slide the connectors into the Light Arm and Light Head.



It is a tight fit.

8) Insert the :Light Head Post into the Dental Light Arm Fitting



Small amount of lubricate will assist in the process.

9) Align the Dental Light Head Mounting Hole and the Dental Light arm Mounting Hole. Insert the Allen Screw hand tighten. Do not over tighten. Slide the Light Collar down. this will ensure the Allen Screw will not come out.



DENTAL LIGHT TRANSFORMER INSTALLATION

Clinic Operatory / California Chair Transformer Install

- 1) Mount Transformer under the Mounting Bracket.



Make sure it does not hit the chair base when chair is moving up and down !

- 2) Plug the Molex Connectors from the Transformer and the Dental Light (coming from bottom of light post).



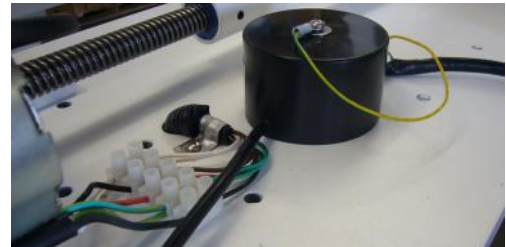
Carefully align the Pins to make sure you do not damage or push out the pins.

- 3) Plug into Outlet Under Chair



America Operatory / AM Chair Transformer Install

- 1) Transformer is factory mounted to AM Chair.



- 2) Plug the Molex Connectors from the Transformer and the Dental Light (coming from bottom of light post).



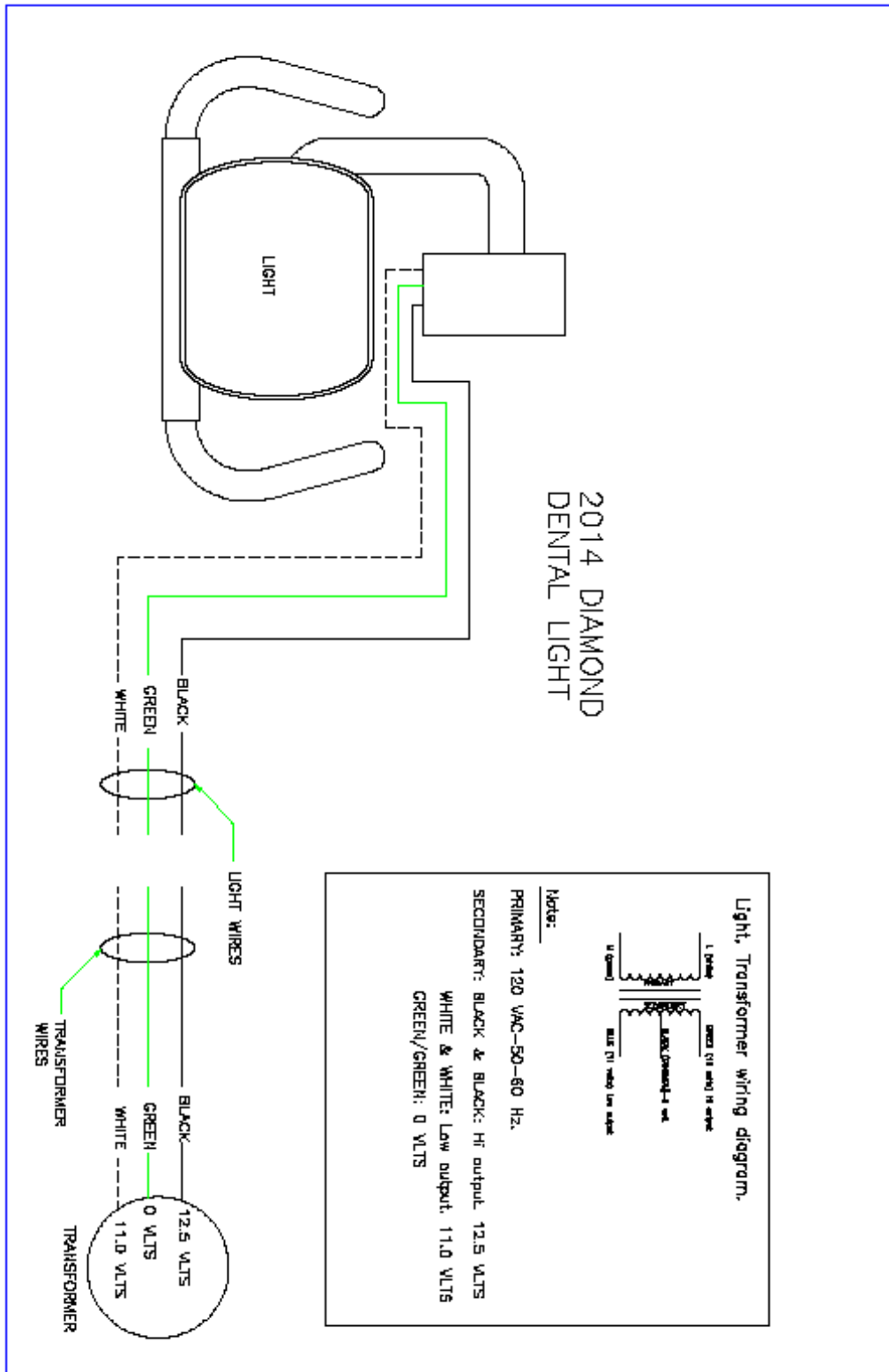
Carefully align the Pins to make sure you do not damage or push out the pins.

- 3) Plug into Outlet Under Seat



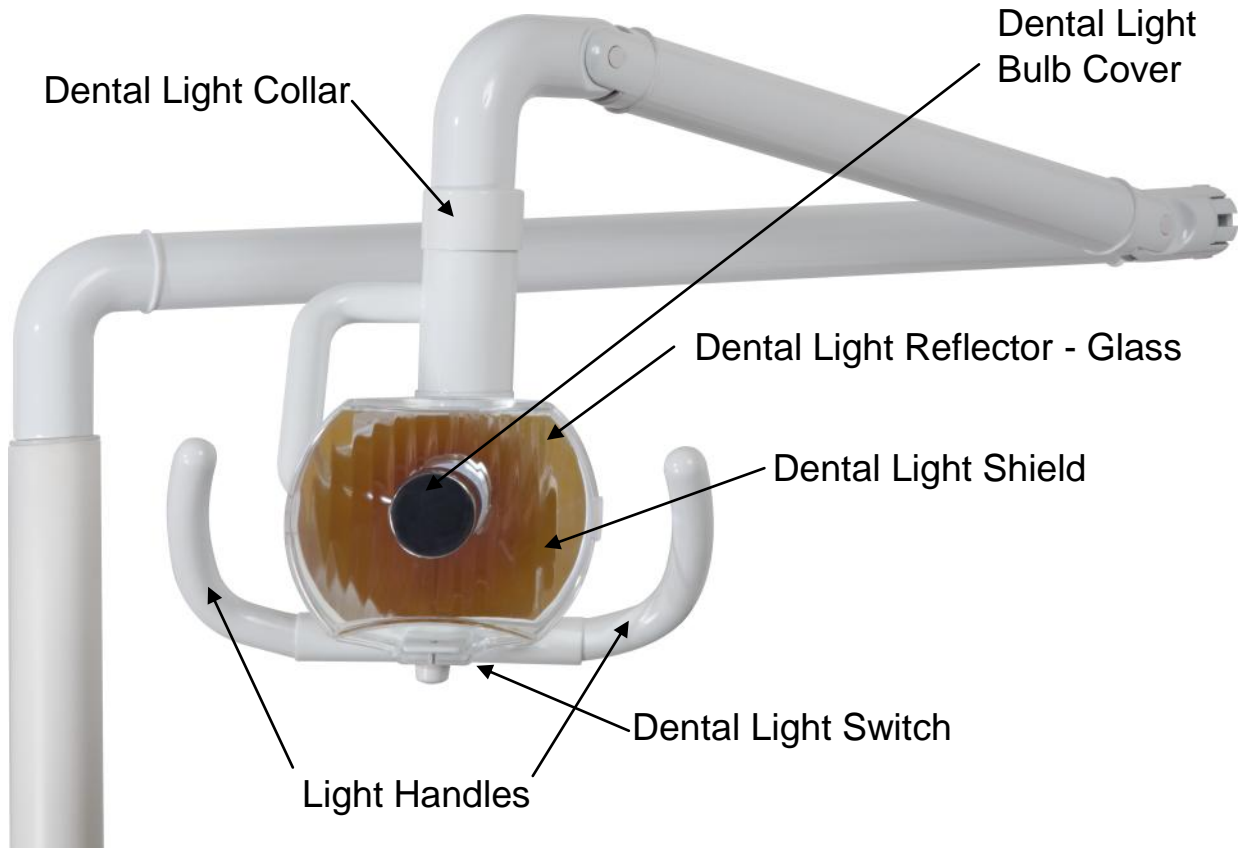
DENTAL LIGHT WIRING SCHEMATIC

NOTE: Current Wiring Schematic may not pertain to older Diamond Dental Lights. Contact Dansereau at (800) 423 - 5657 if you require and older wiring schematic.



DENTAL LIGHT INSTALLATION COMPLETE

Dental Light Properly Installed



Upon Installation your Dental Light is registered automatically with the Dansereau Warranty.

2 Years 100% Light Transformer, Light Switch and Light Reflector

1 Year 100% Light Flex Arm, Light Bulb Cover, Dental Light Handles

90 Days Dental Light Bulbs

Broken or User Damaged Items are Not Covered under Warranty.

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

Dansereau Dental Lights do not require any lubrication of moving joints. When cleaning the dental light DO NOT SPRAY the surfaces with sterilization solutions. This will cause a premature failure to the dental light components and they will not be covered under warranty. Spray the sterilization solution on to a cloth or wipe and sterilize by wiping the solution on the surface, DO NOT WIPE the Glass Reflector when it is hot, it will crack.