MAINTENANCE & CLEANING/DISINFECTION

LIGHT AUTO ON/OFF ADJUSTMENT (FIG. 1)
(contact your service technician)

STEP 1: Remove flex arm end caps screws (.05” Hex). Remove end caps.

STEP 2: Remove the four screws securing the flex arm cover (1/16” Hex).

STEP 3: Slide the cover down the flex arm.

STEP 4: Loosen the two set screws securing the On/Off switch block (3/32” Hex).

STEP 5: Slide block away from light for later on activation or toward light for sooner activation.

STEP 6: Reverse steps to complete.

DEACTIVATING AUTO ON/OFF (FIG. 2)
(contact your service technician)

STEP 1: Refer to steps 1 - 3 (light auto On/Off adjustment).

STEP 2: Locate block next to auto On/Off switch inside arm.

STEP 3: Loosen and remove (2) screws - 5/64” Hex.

STEP 4: Remove block (automatic On/Off - deactivated).

STEP 5: To reactivate the auto On/Off simply reinstall block.

⚠ *CAUTION: Verify set screw is securely tightened to avoid end cap detachment.*

⚠ *MISE EN GARDE: Vérifier que la vis de serrage est bien serrée pour éviter que le chapeau ne se détache.*

FIG. 1: ON/OFF ADJUSTMENT

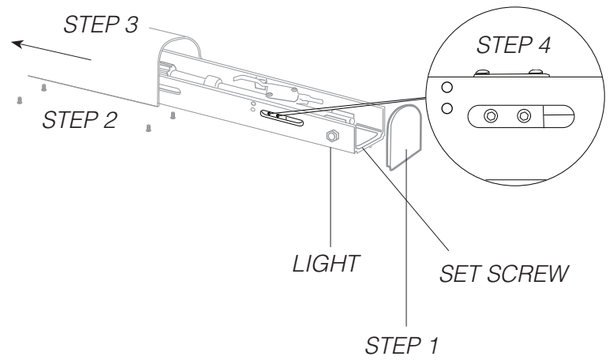
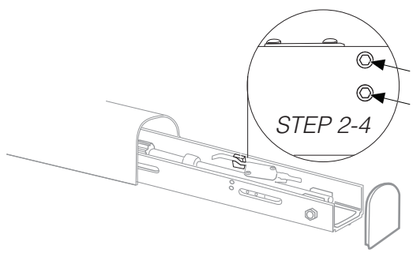


FIG. 2: DEACTIVATING AUTO ON/OFF



TROUBLESHOOTING

LIGHT DOES NOT TURN ON

STEP 1: Make sure electric power cord for the power supply is correctly plugged in.

STEP 2: If still inoperable, unplug power cord and check condition of fuse.

STEP 3: If the problem is not solved, contact our Technical Service Department. (TF) 800.423.3555

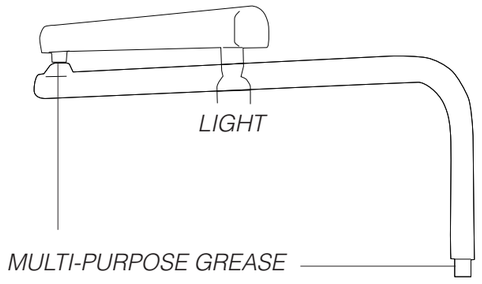
LIGHT INTENSITY IS CONSIDERABLY DIMMED

STEP 1: Follow steps for “Cleaning Front Shield & Reflector”.

STEP 2: If light remains dim, contact our Technical Service Department. (TF) 800.423.3555

SQUEAKING LIGHT ARM

STEP 1: Lubricate post socket with multi-purpose grease included with light.



DTE OREGON, INC. *DENTALEZ.COM*

6200 NE Cherry Drive, Hillsboro, OR 97124 USA (TF) 800 . 423 . 3555 (T) 503 . 640 . 3012 (F) 503 . 693 . 9715

CE

MODEL DL-01 (9080/9090) HALOGEN LIGHT

OPERATOR’S GUIDE

Forest
DENTALEZ

17UJ

Refer to Forest™ General Information Operator’s Guide for Glossary of Symbols, Terms, EMC/Electrical Safety Declaration and User Guidance.

UL CERTIFIED Product, SAFETY evaluated to ES60601-1

17UJ

INDICATIONS FOR USE/INTENDED USE The dental operatory light is a light source intended to illuminate the oral cavity of dental patients for better visibility by a dental practitioner during diagnostic and therapeutic treatment in a clinical environment. There are no contraindications for this product.

INTENDED POPULATION There are no restrictions on patient population that may be treated by Forest Equipment.

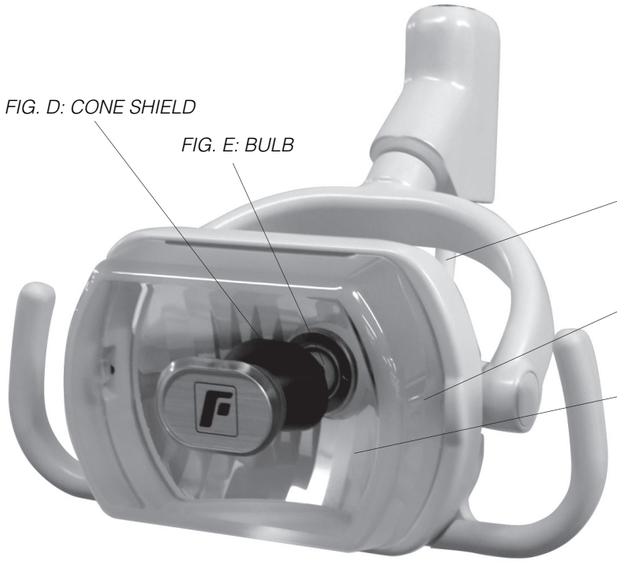
EXPECTED SERVICE LIFE With proper maintenance and service, Forest Dental products are designed for a defined “service life” under normal use (based on approximately 50 patients per week) of 5 years from the date of manufacture, with the exception of serviceable components. Some components may become obsolete due to changes in technology or due to product improvements and may necessitate product updates or upgrades. At the end of the defined service life, all products require examination by a trained service technician prior to continued use. Following this, additional examinations are required every 5 years.

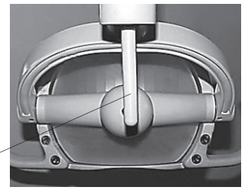
⚠ *CAUTION: Federal law restricts this device to sale by or on the order of a dental practitioner licensed by the law of the State in which he/she practices to use or order the use of the device.*

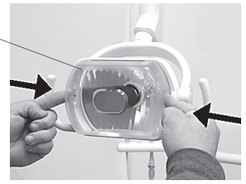
⚠ *MISE EN GARDE: Selon les lois fédérales, cet appareil ne peut être vendu que par un (ou à la demande d’un) dentiste praticien autorisé par les législations de l’état dans lequel il ou elle exerce à utiliser ou ordonner l’utilisation de cet appareil.*

❗ *NOTE: Refer to Service Manual and Installation Instructions for complete technical descriptions.*

❗ *REMARQUE: Consulter le manuel d’entretien et les instructions d’installation pour obtenir la description technique complète.*







TECHNICAL DESCRIPTION/SPECIFICATIONS

Input voltage	16/18 VAC
Light Source	17V – 95W Phillips (type 14623 17V - 95W G6.35)
Spot Size	2.5 inches (60mm X 180mm
Light Intensity, Lux (Adjustable)	18,000/38,000
Color Temperature	5,000K
Protection against electrical dangers	Class 1 device
Power Supply/Transformer	Continuous Duty

⚠ *WARNING: Only the specified power supplies are to be used for safe operation of the dental light.*

⚠ *AVERTISSEMENT: Seules les alimentations spécifiées doivent être utilisées pour un fonctionnement sécuritaire de la lampe dentaire.*

Powertronix Power Supply AA-200000-ME (230/115 VAC, 300W, 50/60 Hz), AA-119298-ME (230/115 VAC, 244W, 50/60 Hz), AA119296-ME (230/115 VAC, 100W, 50/60 Hz) and Transformer AA-132400-ME (230/115 VAC, 100W, 50/60 Hz).

Refer to light installation instruction for locating power supply/transformer away from the vicinity of water sources.

OPERATING LIGHT

⚠ *WARNING: Take appropriate precautions when operating and maintaining the dental light. Avoid contact with the light head front and back as well as components that may become hot during operation: light shield, cone shield, bulb and reflector glass. To avoid burns, touch only the light handles and switches during operation. Always turn off the light and allow it to cool completely (5 minutes minimum) before maintenance or service.*

⚠ *AVERTISSEMENT: Prendre les précautions nécessaires lors de l'utilisation et de l'entretien de la lampe dentaire. Éviter tout contact avec l'avant ou l'arrière de la tête de la lampe, ainsi qu'avec les éléments qui peuvent devenir chauds pendant l'utilisation: écran protecteur, cône protecteur, ampoule et verre réfléchissant. Pour éviter les brûlures, ne toucher que les poignées et commutateurs de la lampe pendant l'utilisation. Toujours éteindre la lampe et la laisser refroidir entièrement (au moins 5 minutes) avant de la nettoyerou d'effectuer un entretien.*

⚠ *WARNING: Do not stare into beam of light when light is on.*

⚠ *AVERTISSEMENT: Ne pas regarder directement le faisceau de lumière lorsque l'éclairage est en marche.*

ℹ *NOTE: Color temperature is subjective and varies between operators.*

ℹ *REMARQUE: La couleur de température est subjective et varie selon les utilisateurs.*

- Prior to initial use of light, verify the focal position is properly adjusted 27" from surface to light resulting in a rectangular pattern 4" high x 6" wide. Refer to Focal Adjustment on page 3.
- Turning On. Toggle switch (FIG. A) left or right. Center to turn Off.
- Automatic On/Off. Lift light flex arm above and below 0˚. (To deactivate contact your service technician.)
- Adjusting light intensity. Toggle switch (FIG. A) left or right.

MAINTENANCE AND CLEANING/DISINFECTION

⚠ *WARNING: To avoid personal injury, ensure the dental light is off and has cooled completely before proceeding with the following steps.*

⚠ *AVERTISSEMENT: Pour éviter les blessures, s'assurer que la lampe dentaire est éteinte et a refroidi entièrement avant d'effectuer les étapes suivantes.*

FIG. D: REMOVE CONE SHIELD

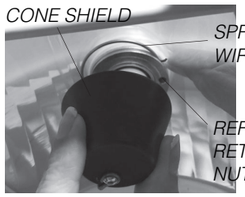


FIG. G:

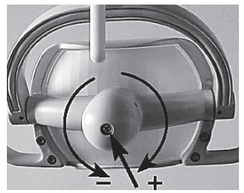


FIG. E: WITHDRAW BULB

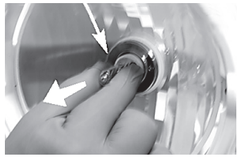


FIG. H, I & J:

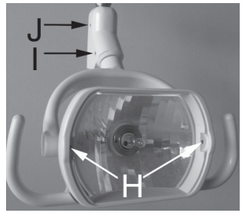
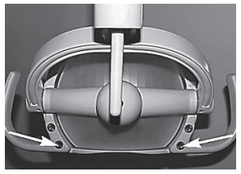


FIG. F: LOOSEN SCREWS



Refer to Forest™ Operatory Equipment Asepsis Operator's Guide for surface infection control procedures.

REMOVING & REPLACING FRONT LIGHT SHIELD

STEP 1: Push sides of shield until clips are free (FIG. B).

STEP 2: Pull shield out (FIG. C).

⚠ *WARNING: Cone shield is VERY HOT!*

⚠ *AVERTISSEMENT: Cône protecteur d'ampoule est TRÈS CHAUD!*

STEP 3: Reverse to reinstall.

REPLACING BULB (HALOGEN G6.35 17V 95W)

⚠ *CAUTION: The new bulb should not be touched with hands; handle it with protective barrier. If it is accidentally touched with the fingers, wipe away the finger prints with a lint-free cotton cloth soaked in alcohol.*

⚠ *MISE EN GARDE: La nouvelle ampoule ne devrait pas être manipulée avec les mains; manipuler à l'aide d'un écran protecteur. En cas de contact accidentel avec les doigts, essuyer les traces de doigts à l'aide d'un chiffon en coton qui ne produit pas de charpie imbibé d'alcool.*

STEP 1: Remove front shield (FIG. B & C).

STEP 2: Remove cone shield by lifting spring wire tab while pulling straight out (FIG. D).

STEP 3: Withdraw bulb by pulling it straight out (FIG. E).

STEP 4: Fit new bulb (Specified in Technical Specifications).

STEP 5: Reinstall cone shield by inserting spring wire over the bulb. Lift spring wire tab over reflector retention nut securing the spring wire inside the groove.

CLEANING FRONT LIGHT SHIELD & REFLECTOR

⚠ *CAUTION: Abrasive or detergent materials such as alcohol, trichloroethylene, gasoline (petrol), turpentine or the like should not be used on any part of the light.*

⚠ *MISE EN GARDE: Les matériaux ou détergents abrasifs comme l'alcool, le trichloréthylène, l'essence, la térébenthine et toute autre substance semblable ne devraient pas être utilisés sur aucune partie de la lampe.*

STEP 1: Remove front shield (FIG. B & C).

STEP 2: Clean the front shield with a soft cloth moistened with mild soapy water. Using chemical disinfectants can damage components. The front shield is not autoclaveable.

STEP 3: Clean reflector (if needed) with low pressure air only.

REMOVING HANDLES

STEP 1: Loosen screws (1/8" Hex) on handle counter clockwise (FIG. F).

STEP 2: Remove handle.

FOCAL ADJUSTMENT

⚠ *CAUTION: The bulb socket must remain in the focused range or overheating will cause damage to plastic parts.*

⚠ *MISE EN GARDE: Le culot de l'ampoule doit rester à la profondeur de foyer pour ne pas causer de surchauffe qui pourrait endommager les pièces en plastique.*

STEP 1: Focal position is measured 27" from surface to light resulting in a rectangular pattern 4" high x 6" wide.

STEP 2: Adjust clockwise or counter clockwise (Phillips head) until retangular pattern measures 4" x 6" (FIG. G).

ℹ *NOTE: The ceramic bulb socket should be about flush with retention nut.*

ℹ *REMARQUE: Le culot en céramique de l'ampoule devrait arriver environ en affleurement avec écrou de rétention.*

REFLECTOR SWIVEL ADJUSTMENT

STEP 1: Remove shield (FIG. B & C).

STEP 2: Loosen or tighten both set screws (5/64" Hex) (FIG. H).

HEAD/ARM SWIVEL ADJUSTMENT

STEP 1: Remove outer set screw (5/64" Hex) (FIG. I for Head, FIG. J for Arm).

STEP 2: Loosen/tighten inner set screw.

STEP 3: Replace outer screw and tighten.

ACCESSORIES AND DETACHABLE/REPLACEMENT PARTS

- Power Supply/Transformer
- Front Shield
- Bulb
- Handles