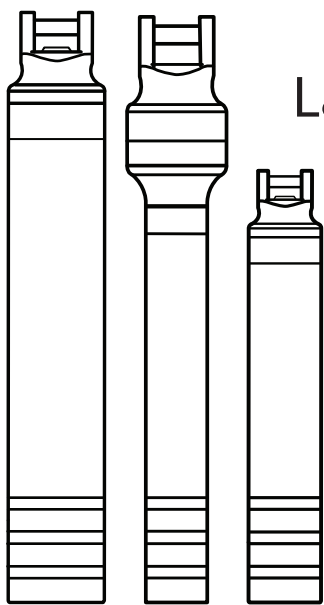


LED, Fiber Optic Laryngoscope Handle



GreenStar LED, Fiber Optic Laryngoscope Handle

Intended use: These laryngoscope handles are only designed to be used with fiber-optic laryngoscope blades that conform to ISO 7376 standards and carry the green identification mark and which are for direct endo-tracheal intubation. The battery handle consists of two sections: the main handle & the head section. The battery / batteries must be removed & the LED cartridge removed from the head prior to sterilization.

SAFETY INSTRUCTIONS

ONLY TRAINED PERSONNEL SHALL USE A LARYNGOSCOPE FOR INTUBATION.

EMC compatibility: this device conforms with current required standards for electromagnetic interference and should not present problems to other equipment or be affected by other devices.

ENVIRONMENTAL CONDITIONS

Operation: Temperature +10°C to 31°C, Rel. Humidity 30% - Air Pressure 800mb - 1060mb

CLEANING/DISINFECTION & STERILIZATION PROCEDURE

When hospital policy permits the laryngoscope handle may be wiped down using a suitable disinfectant wipe or disinfectant solution. Remove head section by unscrewing from handle body and remove battery/batteries and LED lamp cartridge before subjecting handle to any of the following processes..

LED LAMP CARTRIDGE

The cartridge lens must only be cleaned with a mild detergent and warm water solution.

The lamp cartridge may be wiped with cloth dampened with 70% isopropyl alcohol. Avoid prolonged contact with IPA.

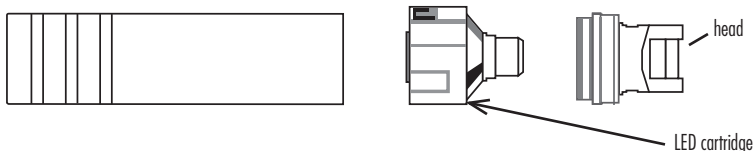
DO NOT ALLOW SOLUTION TO ENTER INTO CARTRIDGE.

The LED lamp cartridge **CANNOT** be SOAKED OR AUTOCLAVED.

MAIN HANDLE & HEAD SECTIONS

After removing the battery and LED lamp cartridge the main handle assembly and head may be sterilized by any method or system, following the best practices of your facility, or washed or soaked in disinfection solution.

Fig. 1



TEST PROCEDURE

- Laryngoscope blades and handles should always be tested after cleaning/disinfection/sterilization and prior to use.
- To check, connect the laryngoscope blade to the handle and swing into the "on" position. If the unit fails to light or flickers check the batteries and ensure cartridge is fully seated in the handle head.
- Be sure adequate supplies of batteries and replacement parts are readily available. If the problem still persists, contact Orion Concepts Inc. Customer Service.

WARNING: If handle is hot to touch, immediately remove and inspect all batteries and check cartridge for proper operation.

MAINTENANCE

Battery Replacement

- Unscrew head from handle and remove Battery/batteries.
- Standard Handle uses 2 "C" cell batteries.
- "PEN" Handle uses 2 "AA" batteries.
- STU handle uses only one (1) Lithium Battery P71912-LB
- Replace with appropriate battery/batteries observing polarity as shown (Fig. 2) and replace handle head

WARNING: Remove batteries and store separately from handles if handles will be out of service for periods of 2 months or longer.

LED LAMP CARTRIDGE

- Prior to removal, allow cartridge time to cool. Unscrew handle head by turning counterclockwise. LED Lamp holder cartridge assembly will remain in head. Remove by applying pressure in direction of arrow shown, using finger or blunt-tipped object, taking care to avoid damage to cartridge lens.

CAUTION: Be sure cartridge lens is clean and free of any fingerprints after assembly. If necessary, the lens may be cleaned with a soft cloth or cotton ball moistened with a mild detergent and warm water solution

- To replace cartridge in the head, invert head. Insert the cartridge into the head as shown (Fig. 2) and apply slight pressure to set the cartridge in place.
- Reinstall batteries in handle observing polarity as shown (Fig. 2) and secure head to handle by turning clockwise.

* There are no user serviceable parts in the LED lamp cartridge.

FIBER OPTIC LARYNGOSCOPE REFERENCE CHART

Product Code	Class	Description
GS-MED-A-NU	1	LED, Fiber Optic Laryngoscope Handle, Medium Size, "C"-cell batteries
GS-STU-A-NU	1	LED, Fiber Optic Laryngoscope Handle, Stubby Size, Lithium Battery
GS-PEN-A-NU	1	LED, Fiber Optic Laryngoscope Handle, Paediatric Size, "AA"-cell batteries
P71912-CA2E	Part	LED Lamp Cartridge- Alkaline
P71912-BC3	Part	Handle Tube, Bottom Cap & Spring – Medium Size
P71912-BC2	Part	Handle Tube, Bottom Cap & Spring – Stubby Size
P71912-BC1	Part	Handle Tube, Bottom Cap & Spring – Paediatric Size
P71912-HB	Part	Head Section, Medium, STU and Paediatric Size
P71912-LB	Part	Lithium Battery – only for use in GS-STU-A-NU Handles

CLASS B, GROUP 1 TSM EQUIPMENT

CUSTOMER SERVICE

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Use of instrument in presence of intense magnetic fields should present no problems.

