

GLO-300 Ultra Violet Inspection Light Instructions

GOODSON

Tools and Supplies for Engine Builders

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GLO-300

**Please read instructions
before using.**



Precautions:

CAUTION-BULB: To prevent bulb failure always maintain a minimum of 15-18" away from any magnetic source or this light will burn out and there will be no warranty

VOLTAGE: The GLO-300 inspection lamp is designed to give optimum illumination and useful life when operated at the rated 110 voltage and should be used with 60 cycle AC circuits. If the line voltage drops below the minimum rated voltage, it may cause blinking of the lamp may extinguish itself. Higher rated voltage can cause premature bulb failure.

CAUTION-HOT: Observe the CAUTION-HOT label; after prolonged periods of use, the GLO-300 can become hot to the touch and/or to handle. Gloves may be required, and extreme care should be taken when handling this unit at all times. Allow lamp to cool down prior to storage.

FRAGILE: Handle with care-this unit contains a glass bulb, and is breakable. Bulb is not warranted.

Operating Instructions

Goodson's GLO-300 is powerful enough to be used in any shop environment regardless of the type of ambient lighting conditions present and is easily portable from one work area to another (avoid direct sunlight when possible).

Wiping the underside of the suspected leakage area with a new shop towel under UV light is another method that may further aid in the proper diagnosing and pinpoint detection of fluid systems or air conditioning systems leaks.

Upon plugging in the GLO-300, push the rocker switch to the "on" position. This will illuminate the switch and bulb immediately, but the unit **WILL NOT** reach maximum UV output for approximately 5 to 7 minutes. If temporary interruption of the line voltage occurs (i.e. power failure), the GLO-300 will automatically relight when power is returned, provided the switch has not been turned off. However, it may require 7 to 10 minutes to do so and the MEDA-RAY bulb **MAY NOT** illuminate until the arc tube restrikes. If the GLO-300 is unplugged and turned off after a period of continuous operation and **HAS NOT** been allowed sufficient time to cool down, before being plugged back into power source or turning back on, it will require 7 to 10 minutes to allow the arc tube to cool and restrike. The MEDA-RAY bulb will not illuminate until the bulb cools down and arc restriking occurs.

Bulb and lens replacement procedures

TO REPLACE BULB

1. Unplug the inspection light from the power source and allow to cool in order to handle safely.
2. Unscrew the lens holder retainer thumb-screw and remove from the assembly.
3. Hold UV lamp firmly by the pistol grip handle using one hand.
4. Grasp lens holder with the other hand by placing fingers around the edge of the holder near the point the thumb screw was removed.
5. Grasp lens holder with the other hand by placing fingers around the edge of the holder. Note that it may be easier if the wire lamp stand is removed first. If the lens holder cannot be removed by hand, tap the edge of the lens holder gently at various points with a rubber mallet (when removing lens holder in this manner place the lamp on a thick cloth or pan on a table). **BE CAREFUL NOT TO DAMAGE THE LENS HOLDER OR CRACK THE PLASTIC HANDLE.**
6. Remove bulb by unscrewing it from the socket, and carefully replace it with new 120 watt replacement bulb, part number **GLO-120WB** or new 150 watt bulb (**GLO-150WB**) **DO NOT OVER TIGHTEN.**

TO REASSEMBLE UV LENS

FILTER HOLDER ON LAMP SHELL:

1. Hold UV lamp firmly by the pistol grip handle using one hand.
2. Replace lens holder by "snapping" the two indents over the ridge on lamp shell.
3. Making sure the thumb-screw hole is over the shell ridge, replace thumb-screw in the lens holder and screw in until the thumb-screw contacts the side of the shell. Hand tighten only to avoid crushing the shell.

TO REPLACE UV LENS FILTER ELEMENT:

To replace UV lens filter follow STEPS 1 THRU 5 under "To replace Bulb". Then remove the Split ring lens retainer from the lens holder and install new lens. Re-install split ring lens retainer making sure ring is under the two indents in the lens holder.

Replace lens holder as described above.