



Shutter Adjustment Screw Cleaning

for BlueWave[®] 75 and BlueWave[®] 200

Cleaning glass fragments from the shutter adjustment screw in the event of a non-passive bulb failure.

Tools/Equipment Required

- 7/16" Wrench
- Thread Locker
- Lint-Free Cloth
- Isopropyl Alcohol
- Cotton Swabs

Preparation

NOTE: Ensure power is removed from the unit and all work is done at an ESD controlled workstation.

1. Turn the unit upside down and mark the top and side of the shutter adjustment screw with a pen, marker, or tape (Figure 1).

Be sure to mark the threads on the side of the adjustment screw as close to the unit as possible. This reference line will be used to repeat the position of the adjustment screw during reassembly.

2. Using a 7/16" wrench, loosen the screw by turning it counterclockwise.

Figure 1.
Mark the Adjustment Screw



Figure 2.
Turn Counterclockwise



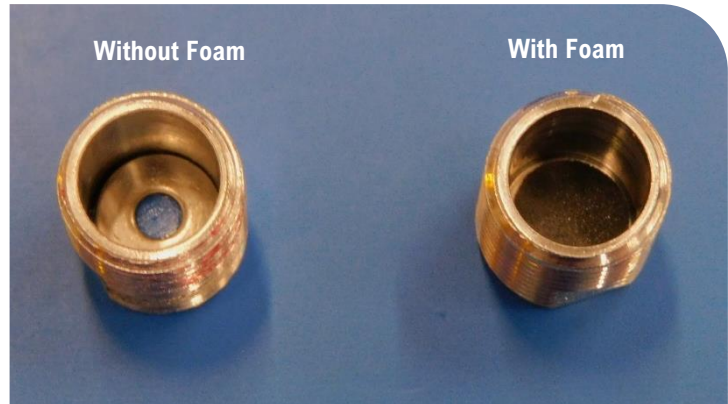
3. Remove the metal plunger and adjustment screw (Figure 3). The plunger will easily slide out if the unit is turned right-side up.
4. Make sure the shutter adjustment screw is free of any pieces of glass or debris. Do not use any alcohol or solvents when cleaning, as this may cause the adhesive at the bottom of the screw to dissolve.

NOTE: Later revisions of the shutter adjustment screw use foam on the bottom for sound dampening. This foam should remain in place. (Figure 4)

Figure 3.
Metal Plunger and Adjustment Screw



Figure 4.
Adjustment Screw



5. Clean the solenoid of any glass fragments or debris. A cotton swab may be used to clean the inside of the solenoid.
6. Remove any remaining thread locker from the inner thread of the solenoid assembly and the outer thread of the shutter adjustment screw. Scraping most of the material before wiping the remnants away with isopropyl alcohol on a lint-free cloth will produce the best results (Figure 6).

Figure 5.
Clean Thread Locker Off Solenoid Assembly



Figure 6.
Scrap Remnants Before Wiping for Best Results



7. Place the plunger back into the solenoid (Figure 7).
8. Replace the shutter adjustment screw and turn it one rotation clockwise (Figure 8).

Figure 7.
Place Plunger Back into Solenoid



Figure 8.
Rotate Shutter Adjustment Screw Clockwise



9. Apply thread locker halfway around the adjustment screw on the portion of threads located between the marker line and solenoid assembly (Figure 9). Continue to turn the adjustment screw clockwise until it reaches its original position.
10. The last visible thread on the adjustment screw should be the first thread which has been marked (Figure 10). This will ensure the original shutter adjustment screw position is achieved.

Figure 9.
Apply Thread Locker

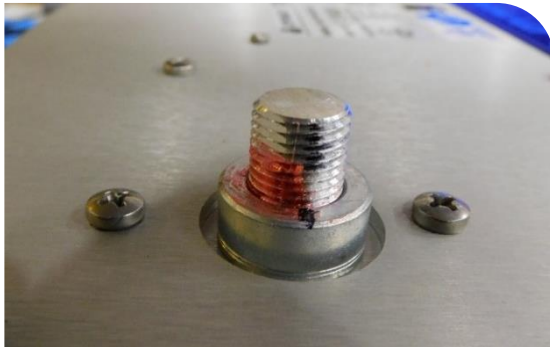


Figure 10.
Adjustment Should be in Original Position

