

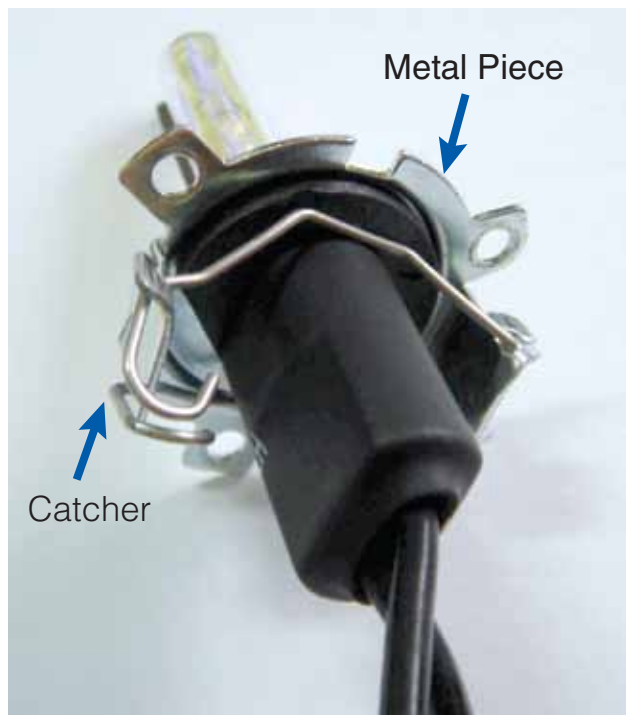
Projector Focus Alignment

It is important to ensure that the photosphere of a headlight, the circular area with the brightest concentration of light output, is positioned properly. The photosphere should be focused directly in front of the headlight in the center of the headlight beam. Unless the vehicle is in high beam mode, half of the photosphere should be cutoff by the projector flap, creating a semicircle. This picture shows a properly focused and aligned headlight:



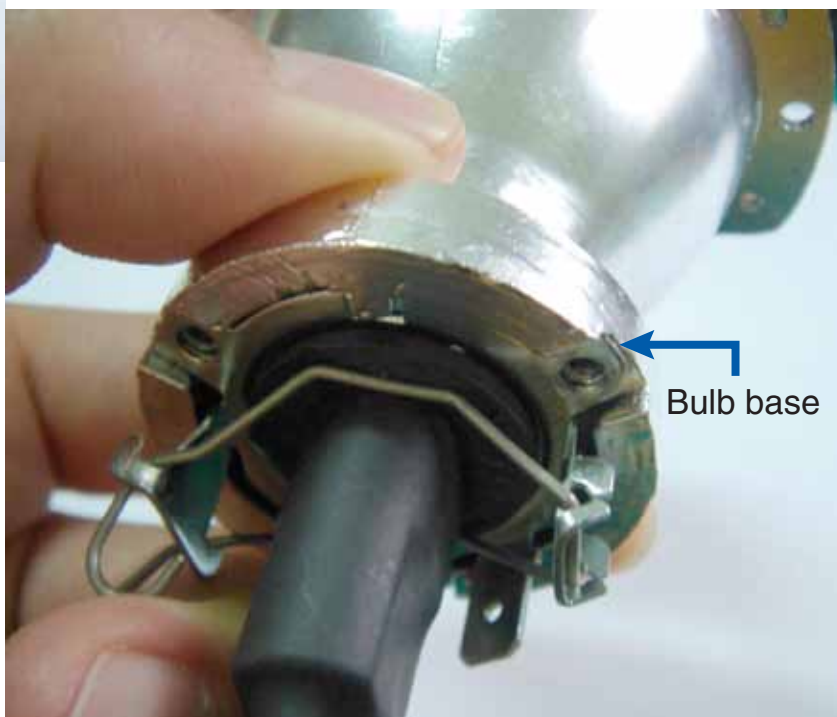
If one determines that the photosphere is not in the appropriate position, the problem can be corrected using a pair of long-nose pliers and a flat head screwdriver. Instructions for doing so are detailed in this document.

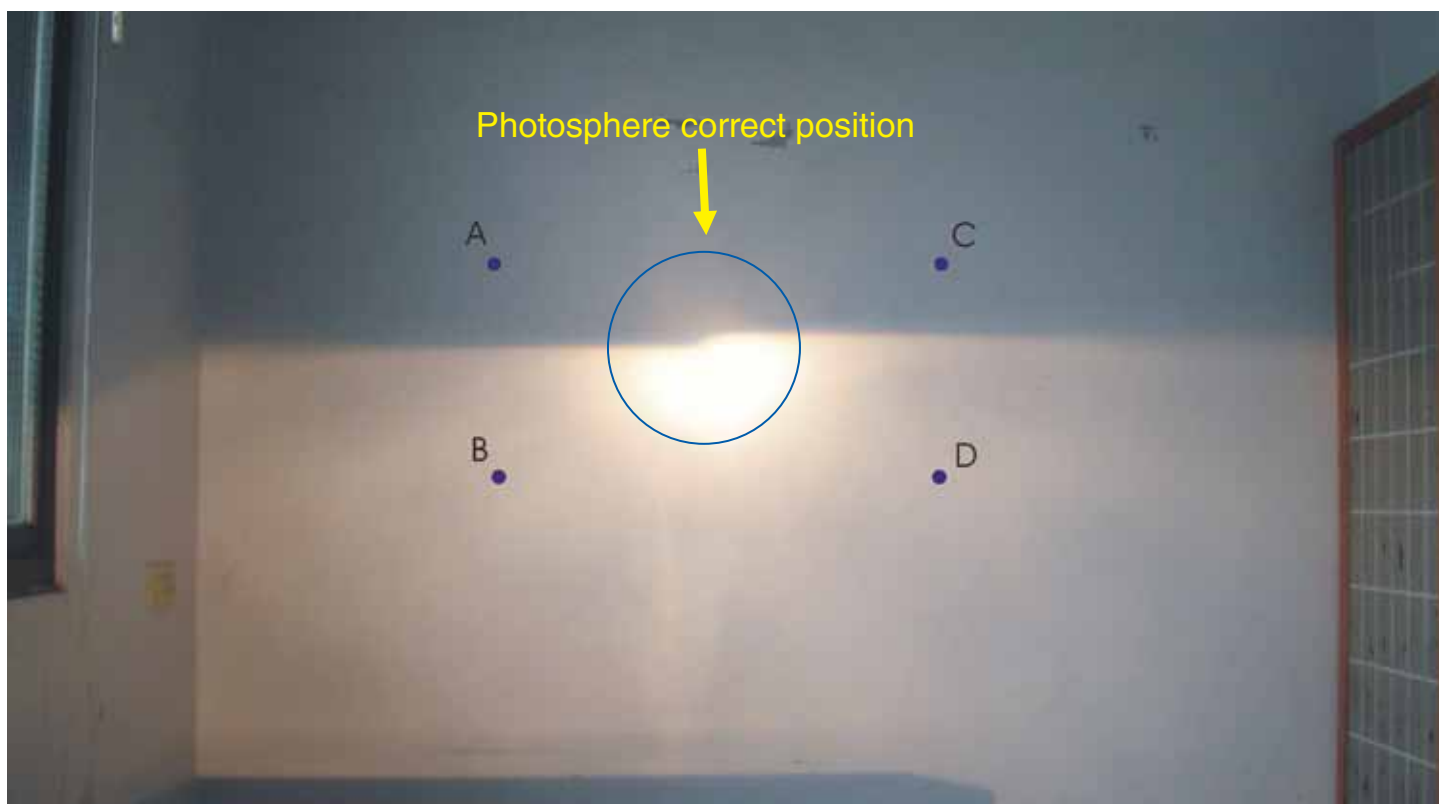
To determine if the photosphere is focused correctly,



1. Put the HID bulb into the metal piece and secure it in place using the attached catcher.

2. Put the bulb into the bulb base.
Do not screw the metal piece into the bulb base.



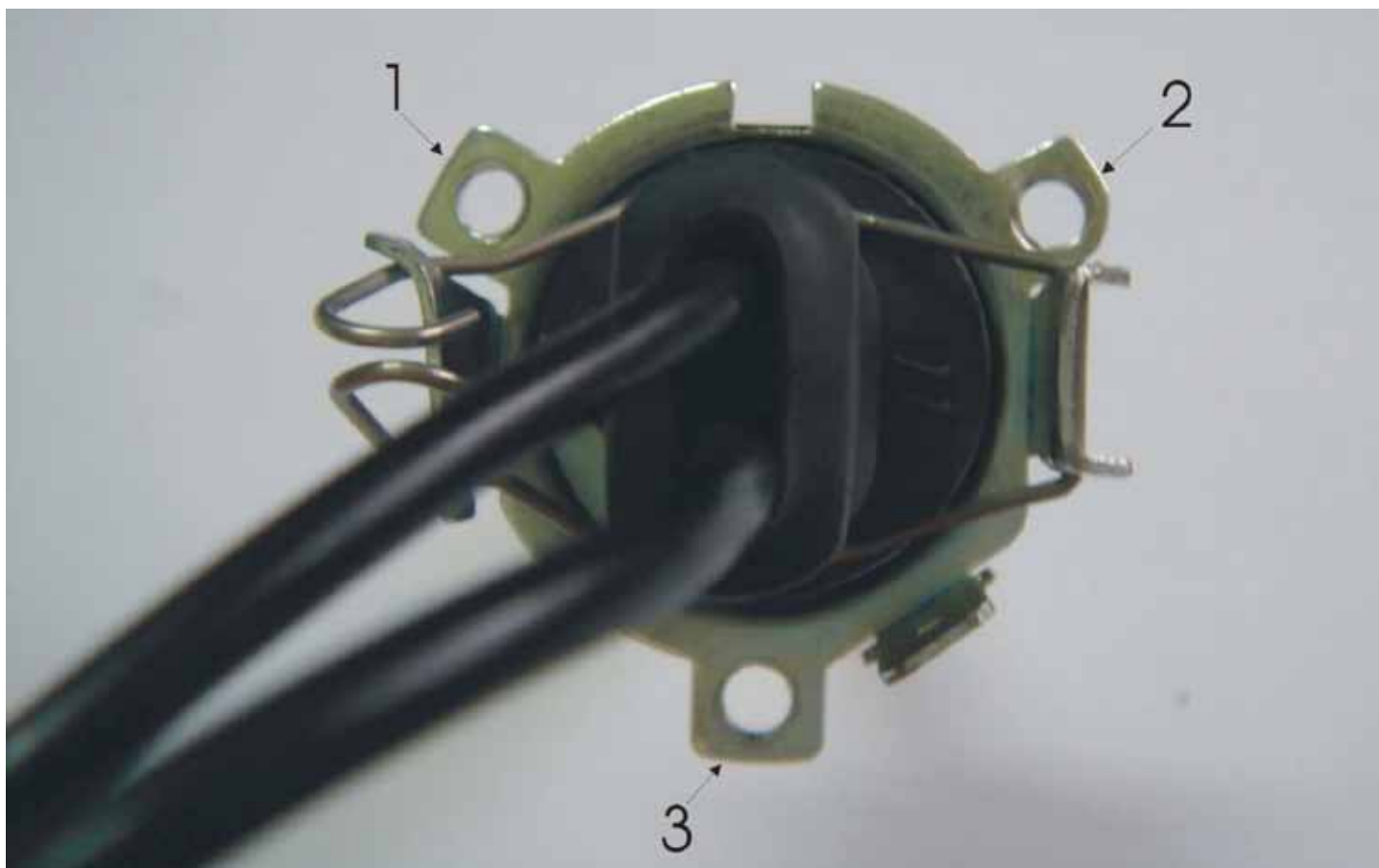


3. Face the bulb base directly at a vertical surface and turn the power on. A properly focused headlight will look like this this.

If the photosphere is not shining in the center of the beam pattern, an adjustment must be made. If the photosphere is not visible, it must be shining in area "A," area "C," or directly above the proper position in between the aforementioned areas. Turn on the high beams to determine its position if this is the case.

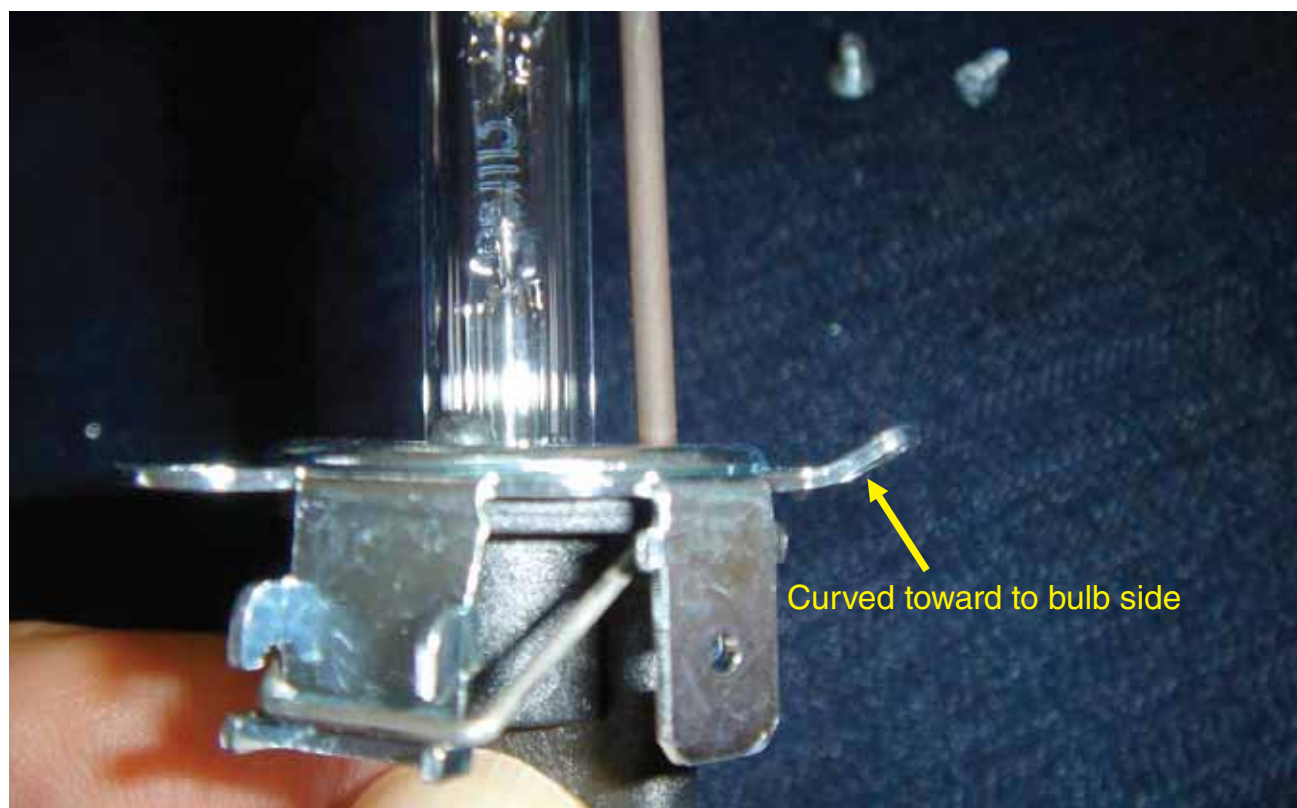
Making adjustments to the screw holes on the metal piece will result in a properly positioned photosphere.

The type of adjustment will depend on which area the beam photosphere is illuminating. **If the photosphere is directly above it's appropriate position, only screw hole # 3 (the bottom screw) must be bent. Please note that this is the most common adjustment that must be made.** Below is a chart specifying which screw holes are to be adjusted depending on the photosphere location.



Photosphere location	Screw holes to be adjusted
A	2 & 3
B	1 (less curved) & 2 (more curved)
C	1 & 3
D	1 (more curved) & 2 (less curved)

To make the necessary adjustment, hold the bulb attached to the metal piece and curve the appropriate screw holes towards the bulb.



With the appropriate screw holes bent, insert the bulb, with the metal piece attached, back into the bulb base. Face the bulb base directly at a vertical surface and turn it on.



It is now time to begin screwing the metal piece to the bulb base. Begin with the screw hole that is flat, not having been adjusted, and ensure that it is tightly screwed. Then, slowly by turns, screw in the two screws that go through the bent screw holes (not too tightly). The photosphere will move as these screws become tighter. Keep tightening the screws until the photosphere is in the correct position.