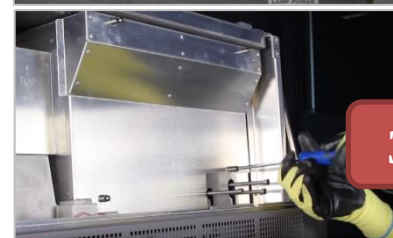




Follow the steps below to replace and align a lamp into an NEC Projector.

Lamp Replacement

1. **Follow** all necessary safety procedures:
 - Ensure that authorized protective clothing is worn by everyone near the projector whenever the lamp door is open and when handling the lamp.
 - Do not remove the lamp when hot as this may cause the bulb to explode due to pressure. Allow the lamp to cool at least 15 minutes prior to replacing.
 - Do not bend or twist the quartz lamp body.
 - **Install** the correct wattage lamp.
2. **Turn off** the projector power and lamp power switches.
3. **Remove** the rear door; **loosen** the screws for the rear lamp shield with a Phillips screwdriver and **remove**.
4. **Remove** UV lens filter.
5. **Remove** the old lamp ensuring not to make contact with the reflector.
 - a. **Loosen** the anode cable with a 17mm wrench.
 - b. **Loosen** the 3mm hex nut on cathode end of the lamp.
 - c. **Place** the old lamp, within the case, on the floor where it cannot fall or be bumped.
 - d. **Inspect** the reflector for dust. If necessary, **clean** the reflector. Notify the TOC if the reflector is damaged/destroyed.
 - e. **Prepare** the old lamp to be re-packaged and shipped back to LTI for recyclingⁱ.
6. **Install** the new lamp only holding it by the anode and cathode end shafts - making sure never to hold it by the glass.
 - a. **Hold** the anode end of the lamp in your left hand and angle it up through the hole in the back of the reflector assembly. **Insert** your right index finger and middle finger through the back front of the reflector and **guide** the lamp onto the cathode clamp.
 - b. **Insert** the cathode end of the lamp into the clamp, ensuring the cathode end connects to the clamp with no gaps, as shown.
 - c. **Rest** the anode end of the lamp on the anode yoke and **tighten** the cathode set screw using a 3mm hex wrench.
 - d. **Reattach** the anode cable aligning it in a vertical position.
7. **Slide** the UV lens filter back into place.
8. **Replace** the rear lamp shield and **tighten** the screws.
9. **Replace** the rear door and lock.
10. **Power up** the projector.





Lamp Alignment

Follow the steps below to install and align a lamp in an NEC Projector.

1. **Turn on** the projector power and lamp power switches.
2. **Hold down** the “Key Lock” button until it changes from red to white.
3. While the projector is in Standby mode, **log in**.
 - a. **Hold down** the Menu button until a password screen comes up.
 - b. **Enter** password “3151” and **press** Enter.
4. **Reset** the lamp hours.
 - a. **Press** Menu, **select** Configuration > Installation > New Bulb
 - b. **Scroll** to correct model and **press** Enter; **select** OK to reset lamp hours.
 - c. **Press** Menu to return to the main screen.
5. **Hold down** the power button until it changes from white to green and the display reads “Please Wait a moment.”



6. **Hold down** the lamp button until it changes from white to green and the lamp lights up.
7. **Wait** five minutes for the lamp to warm up, then **remove** the rear access panel using a screwdriver.
8. **Log in** and **select** Configuration > Installation > Bulb Alignment.



9. Using 5mm hex wrench, **adjust** the X axis to reach max lumen reading; **repeat** for the Y and Z axis.



10. **Close** rear axis panel and **log out**.

ⁱ [SS-6-05 – Xenon Bulb Procedures](#)