

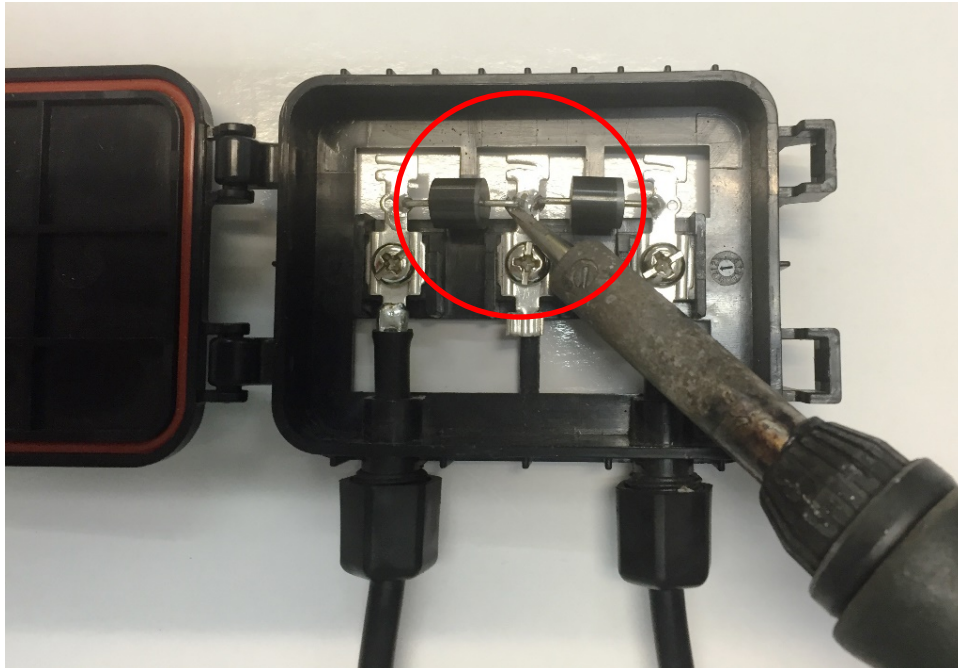
SOLAR PANEL DIODE REPLACEMENT INSTRUCTIONS

NOTE: All electronic circuits may be damaged by static electricity. To minimize the likelihood of electrostatic damage, discharge yourself by touching an electrical ground (e.g.: copper pipe) prior to handling the unit and avoid touching components on the circuit boards. The risk of electrostatic damage is highest when relative humidity is below 40%.

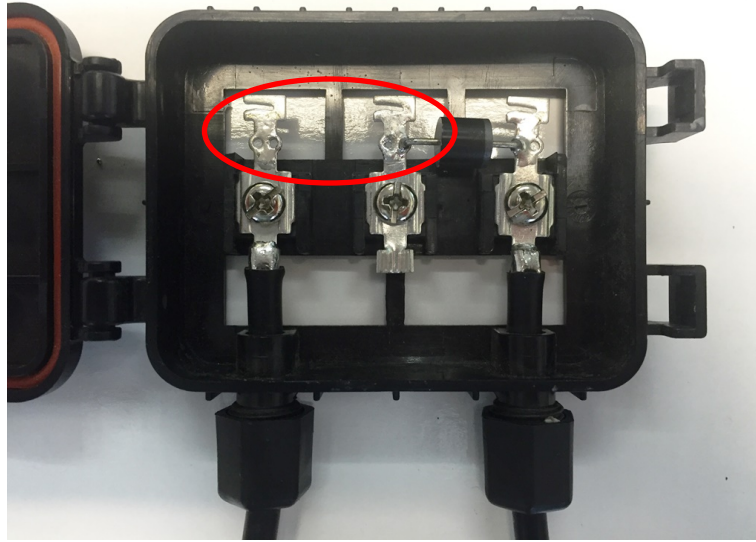
1. Open the cover of the junction box located on the back-side of the panel by prying the cover locking tabs with a small slotted screwdriver.



2. Remove the diode that requires replacement from the terminals by using the tip of the solder iron under the lead of the diode and prying or lifting each lead of the diode separately.



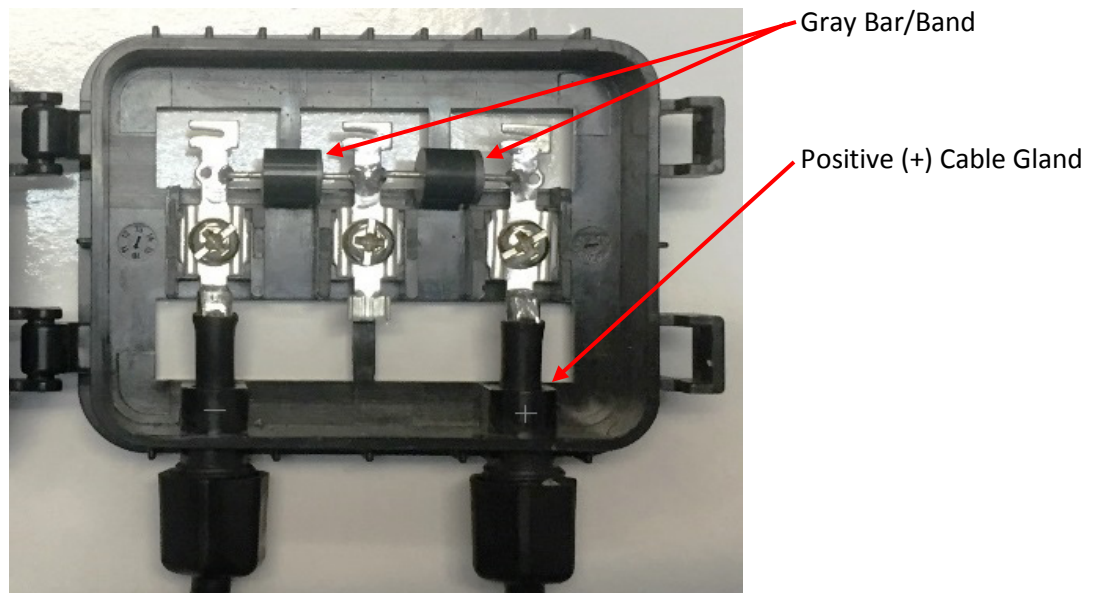
3. Clear the holes in the junction box terminals of any excess solder.

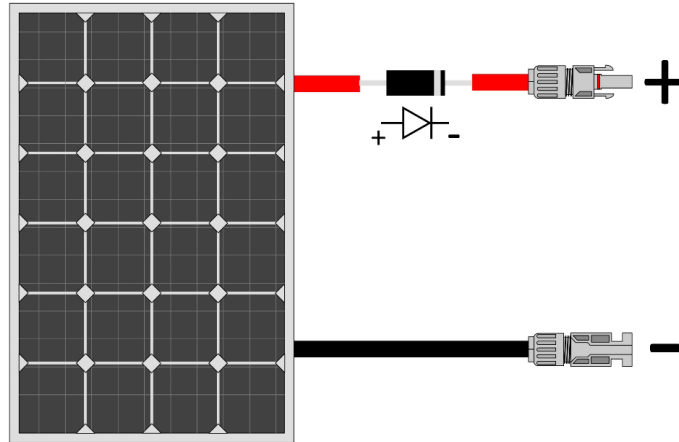


4. If the leads on the replacement diode are not bent into a “U” shape, pre-bend the leads in the same manner as the diode that was removed in Step 2. This can be done easily with a pair of pliers or by hand.

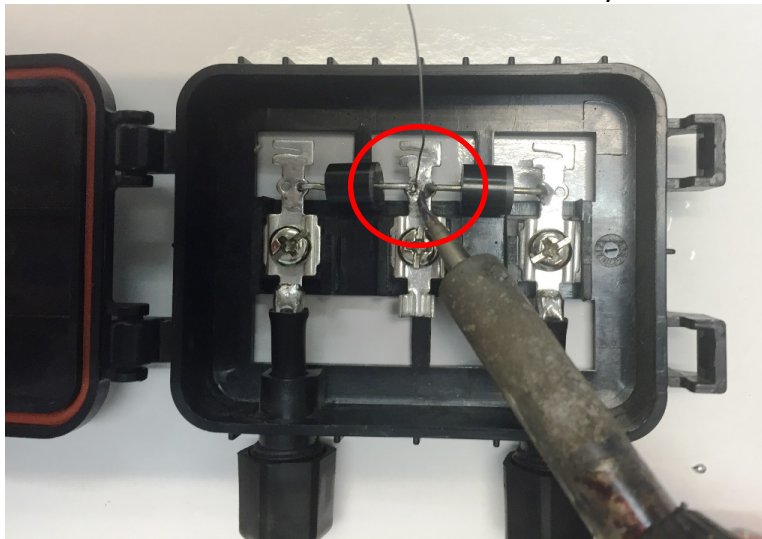


5. Install the diode into the terminal holes, paying careful attention to ensure the gray bar or band side of the diode is oriented in the same direction and on the same side as the positive (+) cable gland.





6. Solder the intersection of the diode lead and terminal securely.



7. Close the junction box cover and apply pressure to the locking tabs to ensure the cover is securely closed.

