

How to bend wires of axial lead diodes in a correct way

Correct ✓

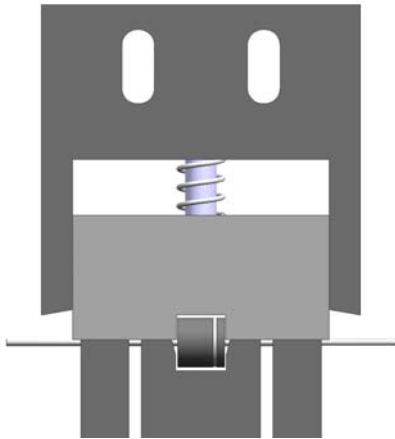


Fig. 1: Before bending, the diode's leads must be clamped completely to prevent stress inside the diode. Clamping and fixing takes place with the light grey plunger above.

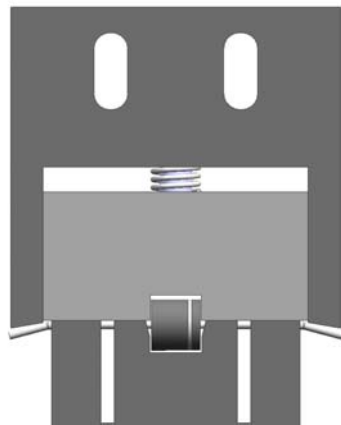


Fig. 2: Now the bending process starts. Only the wire which must be bent is unclamped. The diode itself is fixed.

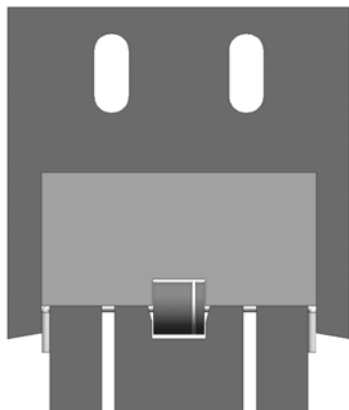


Fig. 3: The bending process is finished. Due to the fact that the diode and the wires are completely clamped, no force or bending moment was created which could damage the internal diode chip.

Wrong!

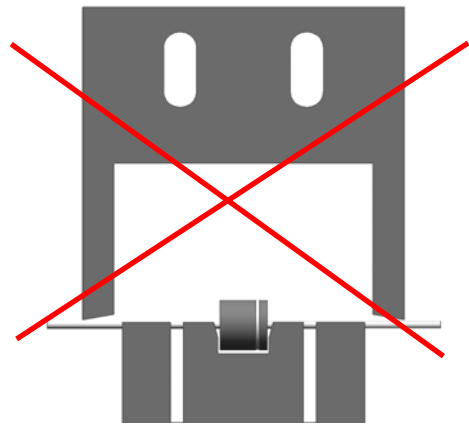


Fig. 1a: Here the diode is not clamped, the diode can move and the chip inside becomes stressed.

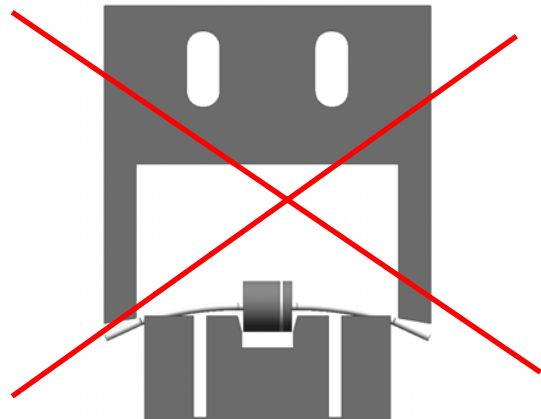


Fig. 2a: Now the bending process starts. You can see that the complete wire becomes stressed.

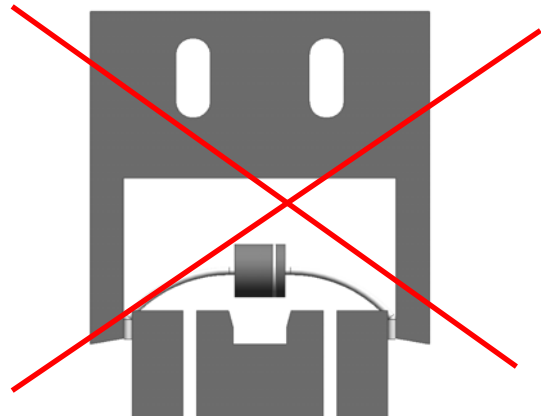


Fig. 3a: The bending process is finished. Due to the fact that the diode and the wires are not clamped, a force and bending moment was created damaging the internal diode chip.