

## CyberKey Contact Cleaning Instructions

CyberKeys shipped between 1 September 2005 and 7 February 2006 were manufactured with stainless steel contact pins with nickel plating. In moist conditions, current flowing through the contact pins of a CyberKey may cause some oxidation of the nickel plating on the surface of the pins. If the oxidation continues to build, it can interfere with the electrical contact between the CyberKey and CyberLock. When that occurs, the CyberKey may respond slowly or not at all when it contacts the CyberLock. To restore the CyberKey to proper working condition, the oxidation must be removed. To do so, follow these simple steps:

1. Gather the following items:
  - A sheet of 400 grit sandpaper
  - A 5/64" hex driver or Allen wrench (using a power driver may damage the CyberKey's plastic case)
2. Remove the replaceable brass tip and the insulator from the end of the CyberKey. Be careful not to lose the screw or any of the parts! See Figure 1.
3. Lay the sandpaper face up on a flat surface. Hold the CyberKey perpendicular to the sandpaper and touch the contacts to the surface.
4. While applying gentle pressure, pull the contacts over the sandpaper, with the ground contact (the one furthest from the LED) leading the direction of travel. See Figure 2.

Be sure all three contacts are being sanded by inspecting the sandpaper. Each of the contacts should leave its own trail mark, as shown in Figure 2.

5. Make 3 to 5 six-inch passes over the sandpaper, then remove any metal particles from the contact pins using a soft cloth or tissue.
6. Replace the insulator and brass tip, being careful not to damage the contact pins or to strip the threads of the screw insert inside the key case. Tighten the screw until snug, then back it off 1/4 turn. (Do not tighten the screw any more than 2 in/lb.)

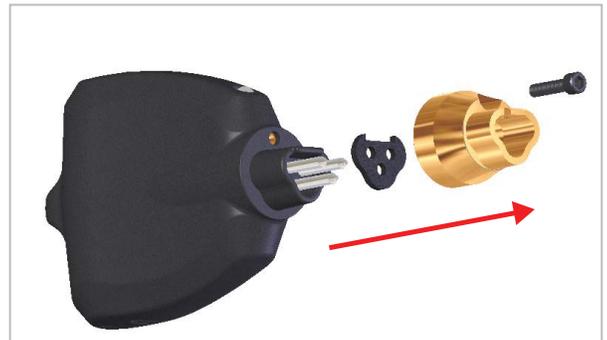


Figure 1: Remove Tip and Insulator from Key



Figure 2: Pull Pins with Ground Leading Travel

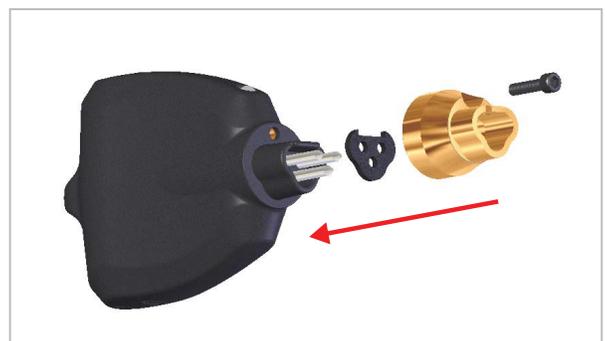


Figure 3: Re-install Insulator and Brass Tip

**This process should improve the function of the CyberKey. If further assistance is required, please email [ekasupport@locks.com.au](mailto:ekasupport@locks.com.au)**