

Key fob cleaning & restoration

Applicability

This sheet is for the Jaguar X100 model known as XK8 and XKR 2001 - 2006. Key fobs for these vehicles often stop working. The faults are often fixed by replacing the battery(s) and cleaning the electrical contacts.

Parts / tools required

Small flat blade screwdriver. Iso-propyl alcohol based cleaner, cleaning swabs. Two CR2016 batteries or one CR2032 battery.

Note: you should have all the equipment ready and attempt to complete this task in 5 – 10 minutes to avoid the key losing its programming. Please read the disclaimer in the footer of this document.

Step by step instructions

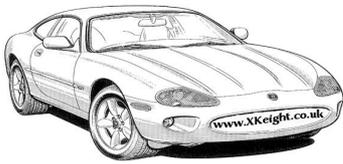
- 1) There are many different types of Jaguar XK8 / XKR key fobs, however they all suffer from a build up of oil and dirt on the electrical contacts that often stops them working.
- 2) Below is a 2001 XK8 key fob, there are a few different types, on the back of each fob there is a Jaguar part number LJA2610BA and the frequency it operates at (This differs between countries) e.g. 433.92MHz.



- 3) The key fob is opened by using a small flat blade screwdriver. Push the blade of the driver between the two half's of the keyring at the keyring end. Then lever the key fob apart, it is popped together and will pop open with some gentle persuasion. See photo below :



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- 4) Before you open up your key fob make sure you have discharged any static electricity from yourself by touching a radiator or plumbing pipe. Now carefully open up the key fob.



- 5) Note now that the battery is disconnected from the key fob do not press any of the fob buttons, as this may make your fob deprogrammed and it will require reprogramming (see later in the document)

- 6) Now lift out the electronics in their rubber surround.



- 7) Now carefully remove the rubber surround from the printed circuit board (electronics) :



- 8) Notice the dirt and residue on the printed circuit board and inside the rubber surround. This needs to be cleaned off.



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- 9) Take a provided cotton bud and put two drops of the provided Iso-propyl alcohol onto the bud end.
- 10) Now clean each of the 4 printed buttons on the circuit board, ensure they are thoroughly clean with all the residue removed.

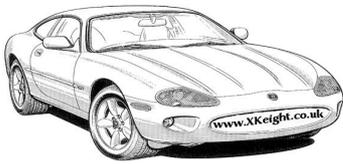


- 11) Repeat this cleaning procedure for the inside of the rubber surround, especially on each of the button pad (i.e. the part that will press down onto the 4 printed button on the circuit board). Use the other provided cotton bud if required to ensure they are thoroughly cleaned.
- 12) The cotton bud(s) will be very dirty when completed. The below example is a key fob that had been cleaned 12 months before and so was not very dirty :



- 13) Now reassemble the key fob, place the electrics back into its rubber surround, place the surround back into the front half of the plastic fob casing.

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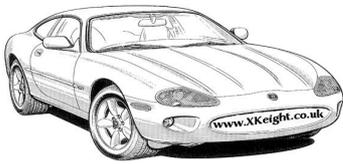


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- 14) Remove the old battery from the back half of the fob plastic casing.
- 15) Now open up the two batteries provided, placing the first one into the battery holder (on the back half of the plastic fob casing) with the Positive (+) side facing downwards.
- 16) Now place the second battery onto the top of the first battery, also with the positive (+) side facing downwards.
- 17) The fob should now look like this :-



- 18) Now ensuring the battery and the big gold circle on the printed circuit board are clean, carefully click the key fob back together.
- 19) Now test your key fob close to your car. Hopefully it will now be working again.
- 20) Now that the contacts have been thoroughly cleaned it takes a few uses to get the fob working at its best again, so **please be patient**.
- 21) If your key fob is not working, it may be totally broken or it may need reprogramming, see reprogramming your key fobs section. (NOTE if you reprogram a fob all fobs have to be reprogrammed at the same time, failure to do this could cause some of you fobs to stop working.



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Key fob reprogramming

NOTE : Please read these instructions before using them, also do ensure you program all your car remote fobs at the same time.

1. Key in ignition without turning to any position.
2. Hold turn signal stalk in the flash to pass position, pulled towards you.
3. Turn key one position while holding the stalk
4. Flash the stalk 4 or 5 times and you should hear a confirmation "chirp" from the security sounder. It is not the horn, and in an area with high outside noise levels you may not be able to hear it, it is rather quiet. Don't do this too quickly, it should take 3 seconds or so.
5. After the chirp press all the buttons one at a time on the remote you wish to program listening for the chirp after each press, or a different sounding error tone meaning the programming didn't work.
6. To program two or more remotes, which will be required if more than one will be used, follow step 5 for one remote after another until all have been programmed.
7. Turn off the ignition and test all features of the remote(s).
8. If you did not get the initial chirp confirming the programming, or learning, mode, there could be either a problem with the security module or a problem with the procedure. The flashes after turning the key require a certain amount of feel, very rapid or very slow flashing will not work. The 4 or 5 flashes should take about 3 seconds, not rapid fire.