Aladdin XT installation Guide
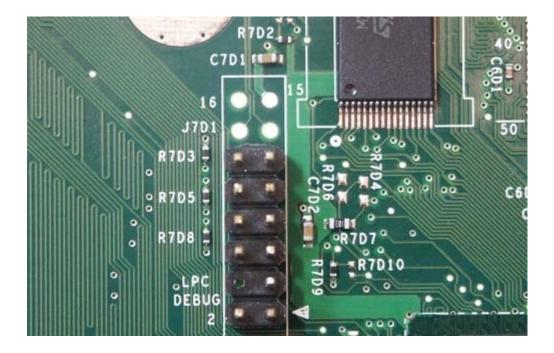
Thank you for purchasing!

To begin the installation, you will need to first remove the motherboard from the Xbox.

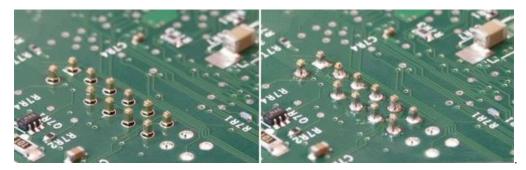# Step 1 – Installing the Pin Header:

Now that you have the motherboard removed, we will first start with installing the pin header.

Grab the pin header that came with the Aladdin XT and try to insert it into the Xbox's LPC Port from the top side of the motherboard (where all the ports and the CPU/GPU heatsinks are). You may run Into a problem with most Xboxes where the pin header has an extra pin blocking it from going into the port. If your Xbox does fit that pin, don't worry about it, but if it does, you will need to push out the extra pin. A small flathead screwdriver should work. After pushing out the extra pin and reinserting the pin header, it should look like this:

After reinserting the pin header, we will need to solder the pin header from the underside of the board, but before doing so you will need to temporarily secure the pin header or else it will fall out out of the port when going to the underside of the board. Tape is a great way of going about doing it.

Now that the pin header is inserted into the LPC port and is secured, we will now start to goto the underside of the board and solder it in

Before   After

Step 2 – Identifying Xbox version:

After installing/soldering the pin header in, We need to first identify what version Xbox you have.

To indentify what xbox motherboard version you have, please follow this link:

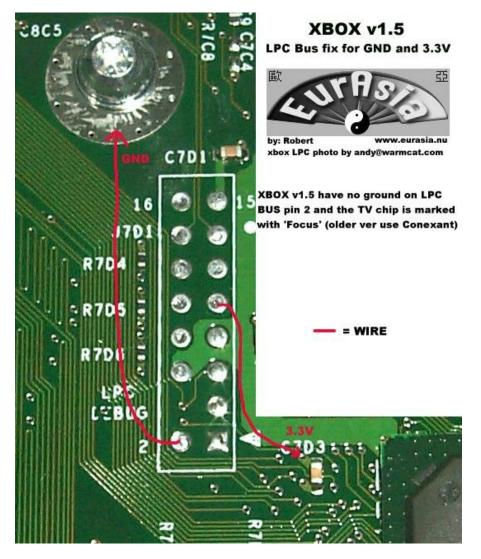Xbox Version Identification: http://www.xbox-scene.com/versions_1.php

If you found out that you have a v1.4 xbox or below, please skip "Step 3" and goto "Step 4". If you found out that you have a v1.5 or v1.6 xbox, please proceed to "Step 3".

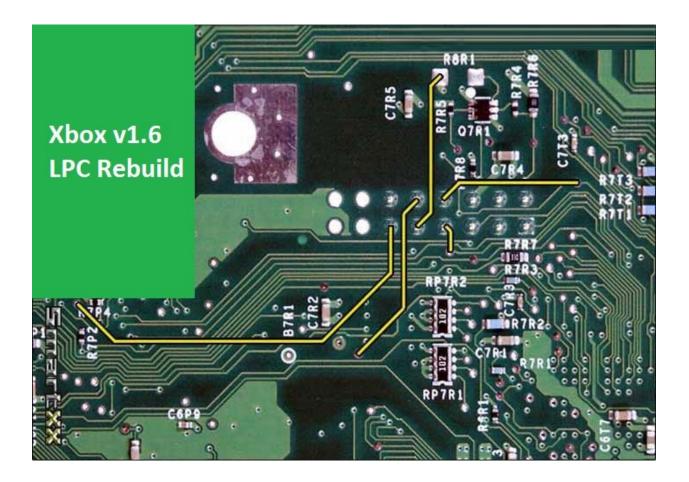# Step 3 – Restoring the LPC Port (V1.5/1.6 Xboxes only!):

If you found out that you have a v1.5 or v1.6 Xbox, it is required to restore the LPC port.

V1.5 and V1.6 Xboxes have an issue where the LPC port is not fully wired up and is required for it to be restored for the Aladdin XT to boot/function correctly. So what you have to do now to restore the LPC port, is to simply use wire to reconnect the points listed in your versions diagram below

Follow this diagram if you have a v1.5 Xbox

XBOX v1.5
LPC Bus fix for GND and 3.3V

by: Robert   www.eurasia.nu
xbox LPC photo by andy@warmcat.com

XBOX v1.5 have no ground on LPC BUS pin 2 and the TV chip is marked with 'Focus' (older ver use Conexant)

━━ = WIRE

Follow this diagram if you have a v1.6 xbox

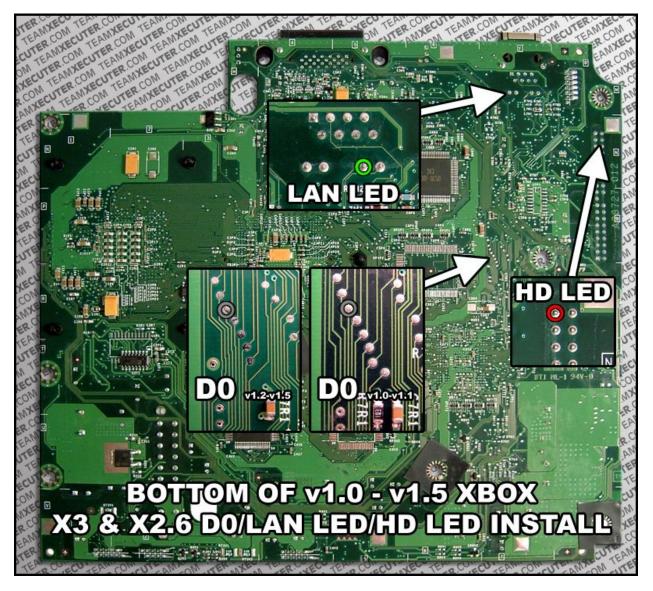
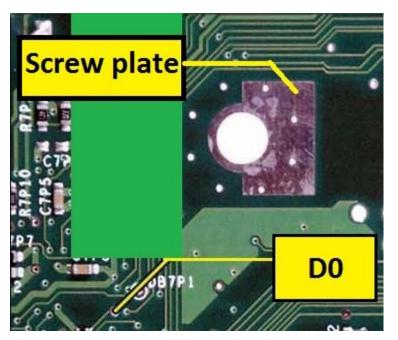After following the diagram for your respective Xbox version, Please proceed to "Step 4"

Step 4 – Grounding the D0 Point:

After following on how installing the pin header or after following step 3 if you had a v1.5/1.6 Xbox, we will need to will need to wire the D0 Point on your Xbox to Ground. Normally I found out that the D0 point on the Aladdin XT does not work well, so what we are going to do is just use the metal plates usually where the screws go through for ground. Basically what this is doing is its telling the Xbox to boot from the LPC port (Modchip). To find out where your D0 is on your Xbox, please see follow the diagrams below.
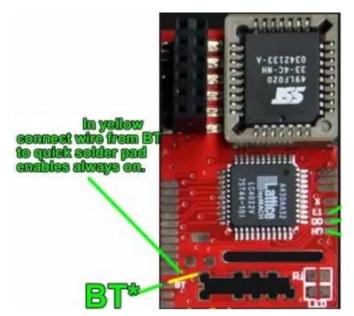
For Xbox versions 1.0 to v1.5:

For Xbox v1.6:

Step 5 – Wiring up the BT point

After soldering the D0 point to Ground, we will need to wire the BT point on the chip so the chip is always on. Solder these points together (Bridge these points) on the chip with some wire so the xbox will always boot from the chip.
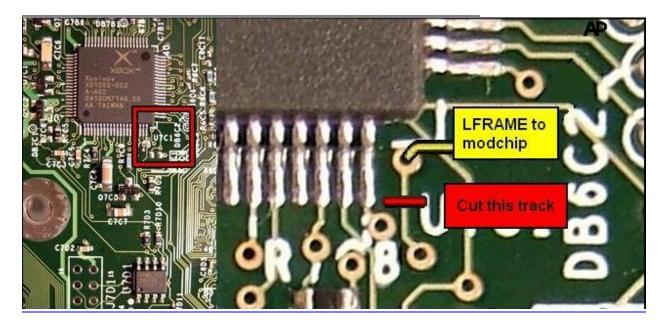
Step 6 - Mounting the Aladdin XT

After bridging the BT point to the other point on the chip so it's always on, mount the chip in the position shown in the picture below. Ignore all the other wiring in the picture, they are not needed. If you find that your Aladdin XT is brushing against a capacitor, do not worry. Just make sure the Aladdin XT is not bending.

Step 7 (Optional) – For v1.6 Xboxes only!

It has been documented around the net that it v1.6 Xboxes may still interfere with the modchips operation and cause strain on the Xbox. The steps located in the diagram below is recommended to increase life span of the 1.6 Xbox, if you're willing take this step, follow the diagram below.

And you done!. Reassemble the Xbox and test it out. If it boots from the modchip, Congrats! . You are done. If you find your Xbox is FRAG'ing (Flashing Red and Green) or if it's not booting the modchip, check and/or reflow all your soldering.

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