**KISS DP-558 Powersupply Modification**

**This page gives a step by step guide for modification of the KISS DP-558 Power Supply due to leaking/defective PSU capacitors.**

**The KISS DP-558 power supply has a construction error, that makes it fail, typically after beeing used 24/7 ranging from 1-3 years. The problem is proberly caused by the extensive heat that the unit generates combined low voltage capacitors (10 volt).**

**Mine failed after 2 years and 8 month beeing used 24/7.**

**Please observe, that making any modifications the the KISS DP-558 will void the warrenty, so proceed at own risk**

**KISS DP-558 is a high end harddisk recorder, with internet connection and FTP server and integrated online EPG (electronic Program Guide).**

**The DP-558 basically consist of a Powersupply unit, a main computer board, one DVD drive, one harddisk and a front unit**

**The harddisk is supplied by a +12 Volt (yellow) and +5 Volt (red). Ground is wired as black. When this type of error occures, both +12 volt and +5 volt linies drop in voltage. To make sure this fix is nessary for your type of error, check for the following symptoms:**

**Typical symptoms to look for:**

** LCD Displays only: "KISS DVD"**

** LCD Displays only: "BOOT ERR"**

** Harddisk does not spin up when unit is powered on**

** It is not possible to open DVD drive**

** No reaction to remote control**

** Display illumination is lower than usual**

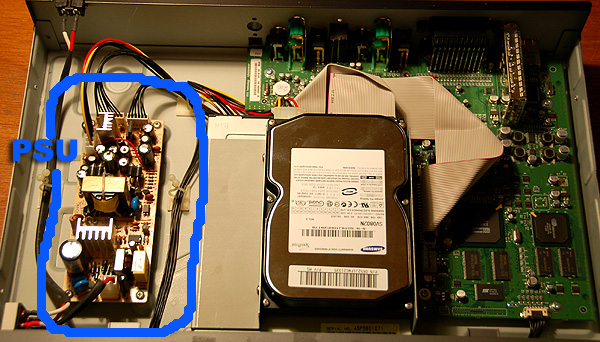
** Capacitors C19,C20,C15 of PSU may show leakage**

** +12 volt and +5 volt supply to the KISS DP-558 harddisk is low (e.g 11 and 3 volt)**

**Step by step guide to KISS DP-558 Power Supply Modification/Fix**

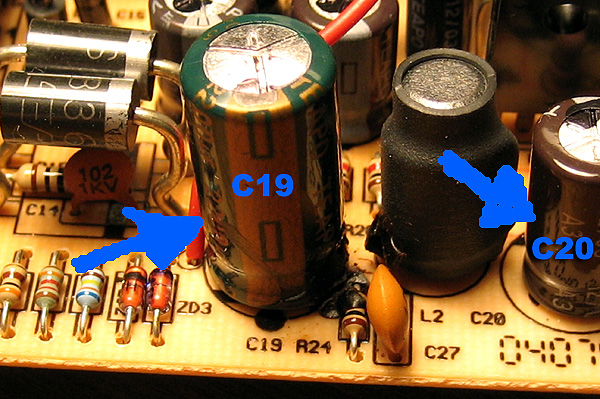
**Step 1:  
Remove mains power line, and wait at least 30 minutes before any repair is started.**

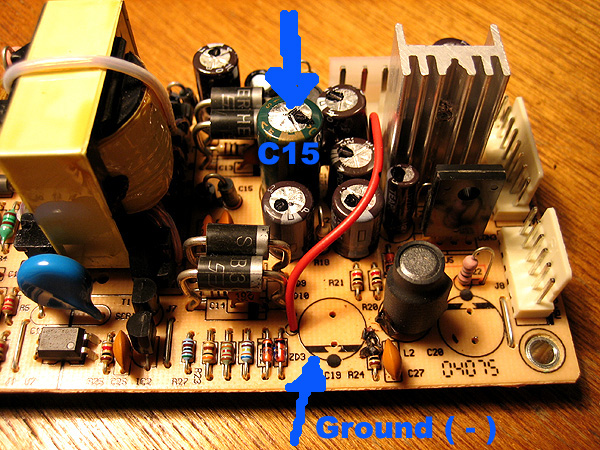
**Step 2:  
Remove cover of the unit.**

**Step 3:  
Located the Power Supply Module (PSU). PSU Type mus be: Achme AM561B   
**

**Step 4:  
Disconnet the 4 power connectors from PSU module**

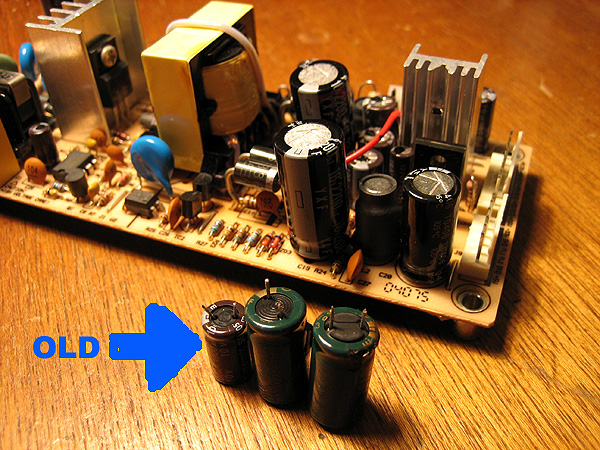
**Step 5:  
Remove the 4 screws mounting the PSU to chassie**

**Step 6:  
Located capacitor C19,C20 and C15  
  
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**Step 7:  
Remove the Capacitors C19,C20 and C15  
  
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**Step 6:  
Replace the capacitors as followes (please observe polarity of capacitors +/-):**

|  |  |
| --- | --- |
| C15 | 1000 uF 16V 105C (Type: WGR Radial, Low impedance) |
| C19 | 2200 uF 16V 105C (Type: WGR Radial, Low impedance) |
| C20 | 1000 uF 16V 105C (Type: WGR Radial, Low impedance) |

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**Step 9:  
Reassemble the unit.**

**Final Note: it may be a good idea to replace other capacitors if they show sign of leakage. Please also note that a capacitor may be out of order even if it show not sign of leakage.**

**Links**

* [**HiJack's Media Player Portal: KISS DP-558 Forum topic: Dead powersupply**](http://www.mpcclub.com/modules.php?name=Forums&file=viewtopic&t=9183)
* [**MPC Wiki web**](http://www.mpcclub.com/wiki/index.php/Main_Page)
* [**MPC Knowledge base**](http://www.mpcclub.com/faq/)
* [**MPC Knowledge Base: PSU issues**](http://www.mpcclub.com/faq/categories/02+-+The+Players+Knowledge+Base/KiSS+%7B47%7D+Linksys+Knowledge+Base/KiSS+Power+Supplies+Info+and+Availability%21/)
* [**PSU Circuit Diagram by woodstock**](http://home.cbkn.dk/DP558/PSU_KiSS_558_Circuit_Diagram.pdf)