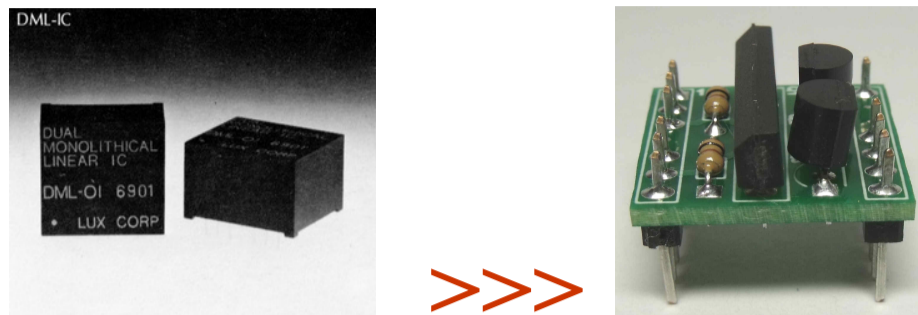


The **LUXMAN** vintage audio website ®

New Luxman replacement DML units



The Luxman DML units: DML-01 and DML-02 are often the cause of problems in vintage Luxman gear.

These old DML IC devices break down after some years as they have bad thermal properties and do not meet the Luxman standards. You should replace them when you find some in your vintage Luxman.

Replacing was not easy in the past as there were no spare parts available.

Some fake DMLs were issued on some internet sites, but these were made primarily for the benefit of the sellers. Also some were replaced by discrete parts giving problems and having bad thermal properties.

Now a completely new conception has been made by the famous DML engineer from the USA.

This design without compromise and **without commercial means**, you pay for what you get.

This is the only **non-commercial** ultimate solution on the world.

For the Luxman vintage gear owner this is the real thing. Take a look at the photos and be convinced.

All work done by the DML engineer and me is free of charge, you pay nothing for all our efforts and hard labour designing, producing, testing these fine new DMLs, we do this for all Luxman vintage gear owners in the world, all Luxman owners just pay for the DML's they order and the shipping to their address: nothing more.

Available NOW!

These DMLs are professionally made in the USA meeting extreme specs and of highest quality and only available through this Luxman Vintage Website.

The transistors used are matched and each DML is tested and meets the finest modern standards, now you as Luxman owner can give your Luxman a new life, meeting even higher standards than the original Luxman design.

The DMLs shipped to you come with additional Mil. spec. 10 turn pots and with additional socket.

So you can use them with or without a socket and you can also replace the old potentiometers for better DC offset setting.

A DML installation manual in PDF format is downloadable from this website here below (under construction).

We take pride in designing and producing these fine new DML units for the Luxman Vintage audio gear owner.

Japanese customers:

今、まったく新しい発想はアメリカの有名なDMLエンジニアによって行われています。

妥協のないと商業手段のないこの設計では、あなたは何を得るために支払います。

これは、世界で唯一の非商用の究極のソリューションです。

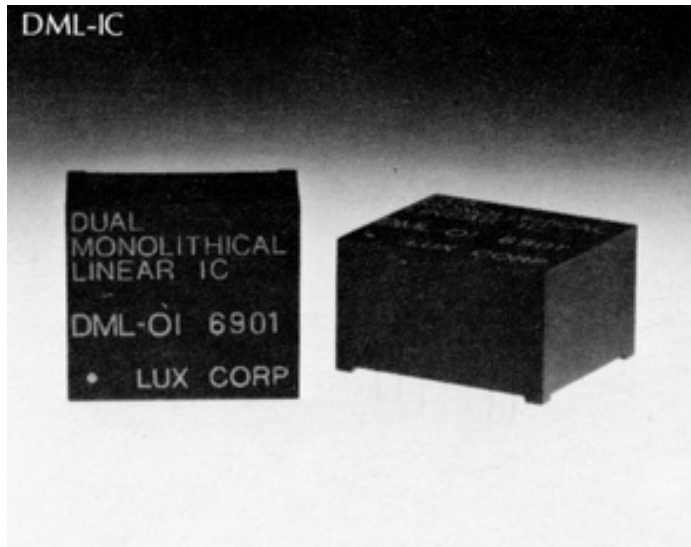
ラックスマンビンテージ機器の所有者については、これは本物です。写真を見て、納得。

私は無料で、DMLエンジニアによって行わすすべての仕事は、あなたは、すべての私たちの努力と重労働の設計のために何を支払う必要はありません

製造これらの細かい新しいのDMLをテストし、私たちは世界のすべてのラックスマンビンテージ機器の所有者のためにこれを行うには、すべてのラックスマンの所有者はちょうど彼らが注文したDMLのとそれらのアドレスへの出荷のために支払う必要はありません:より多くの何を。

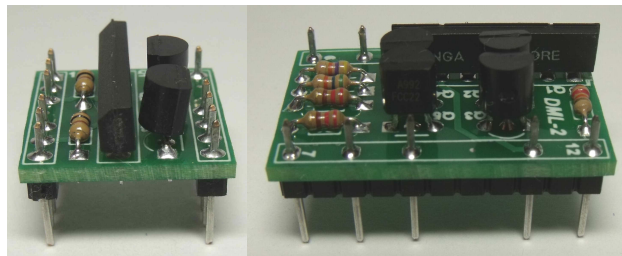
今すぐご利用いただけます!

Old DMLs:

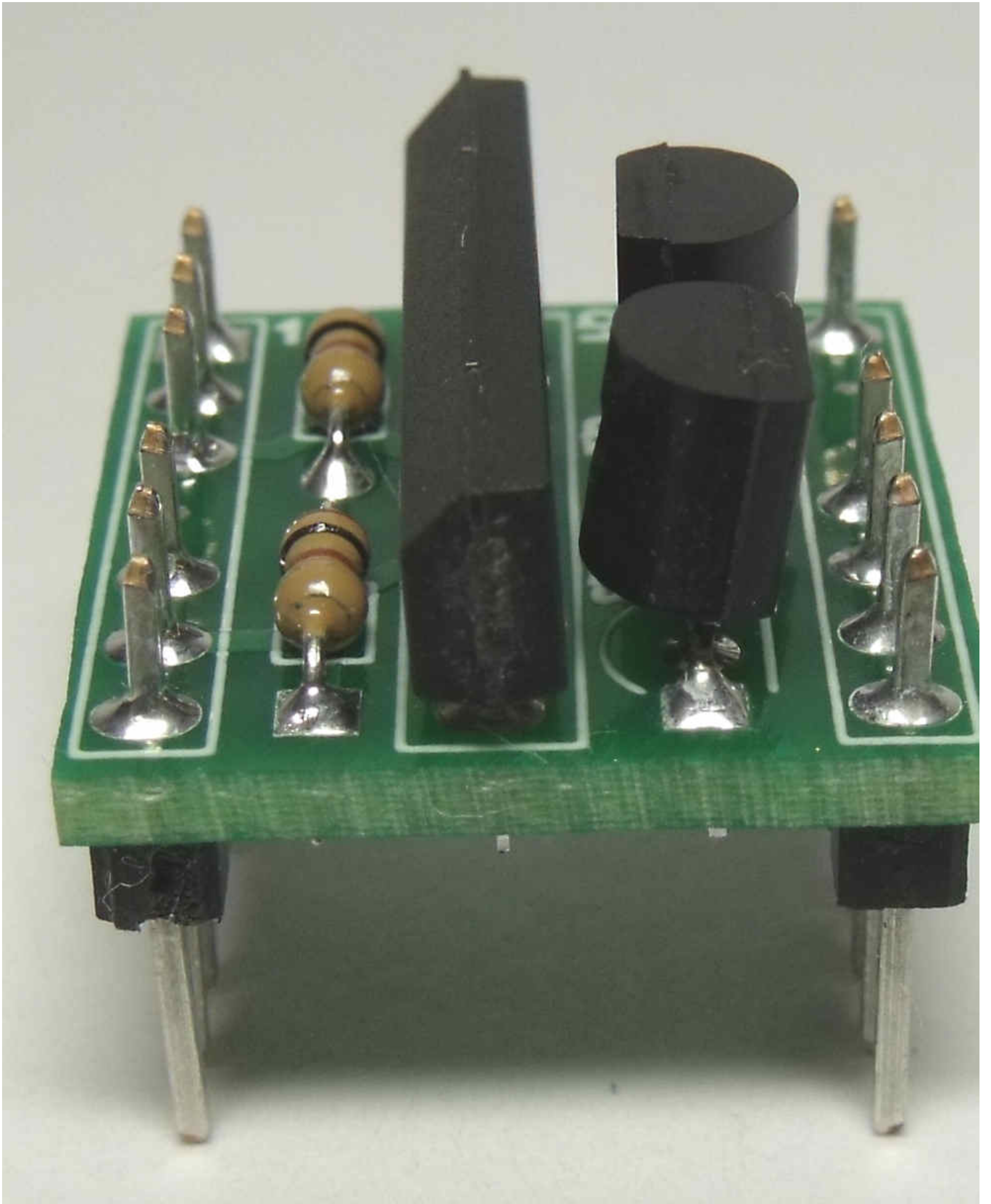


The original DML-01, it breaks down and should be replaced..

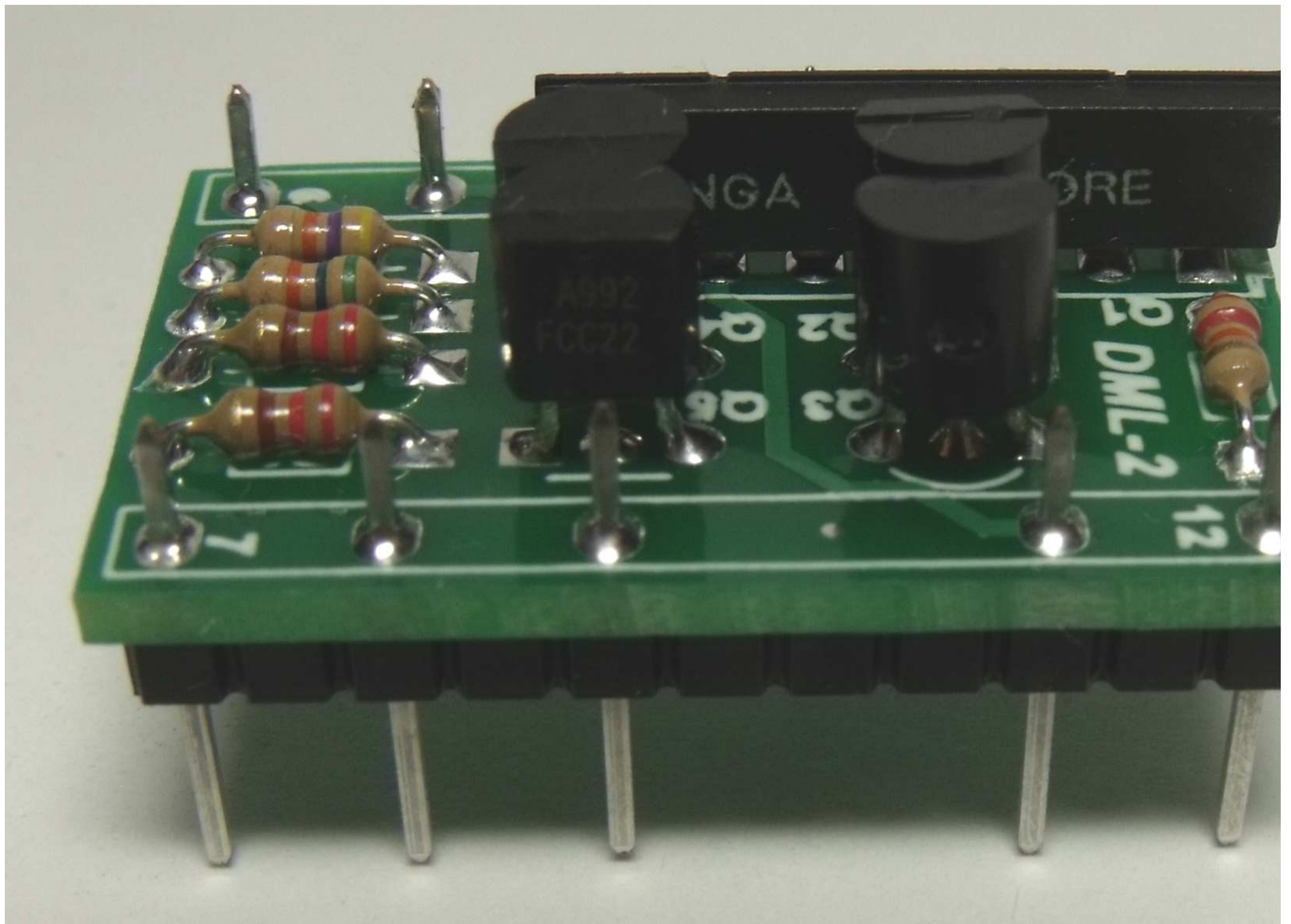
Photos new DMLs:



DML-01 & DML-02 new version now available, its an open design and never breaks down.



DML-01 new version now available.



DML-02 new version now available.

Specifications:

Professionally made USA pcb's, double sided and through metalized and soldered pcb's, meets highest Mil. specs.

Meets or exceeds all Luxman specifications and meets all modern electronic standards.

Guaranteed frequency range better than 0 to 100 KHz +/- 1 dB.

Distortion less than 0.001%

Noise better than -110 dB

Drift substantially less than the original DML design.

Thermal range: storage -40 to +90 deg C. / use with guaranteed thermal specs -10 to +60 deg C.

Selected FETs and matched transistors and each DML is tested.

Applies to C E certification.

Special features:

These are non encapsulated DML modules with selected dual FET and matched transistors for better thermal properties.

Additional Mil. spec. 10 turn DC offset pot and additional socket option.

Measured bandwidth up to 10 MHz.

Solid state construction.

Each new DML is tested individually in a working Luxman amplifier.

Lifetime limited guarantee.

Replacement manual available.

*we advise to order DMLs in matched couples: L and R within matched specs.
(If any offer is made to you for other than the price on this website, or when you get a product differing from our info and images on this website, then it is not our product, it is counterfeit.)*



Matching the 2SC1845 transistors to get the excellent specs ^

Modifications:

How to do the replacement of the old DML's:

[The Luxman Vintage Website DML replacement manual now available here in PDF format](#) < ***[click here](#)***. It's also saved here

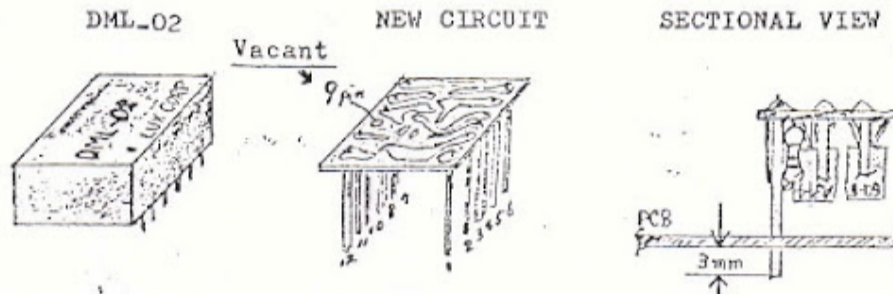


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 CABLE / LUXELECT OSAKA
 TELEX / J63694

New Circuit To Replace DML-02

Referring to the following sketches, please replace the faulty DML-02 with the newly developed DML-02 which is discrete circuit with the same size but with stability.

The pin no.1 marked (.) in the sketch under the new circuit is corresponding to the pin no.1 marked (.) on the top of the previous DML-02.



First of all, remove the faulty DML-02's from the PCB of the Pre-Amp, Stage. Next, fix the new DML-02 paying attention to the proper position so that all the pins(11 pins) can evenly pierce the reverse side of the PCB(silk printing side) with protrusion of about 3mm over the PCB, and then solder each pin.

As no pin is provided to no. 9 under the new design, then no soldering is provided to no.9 on the main PCB, being left unused.

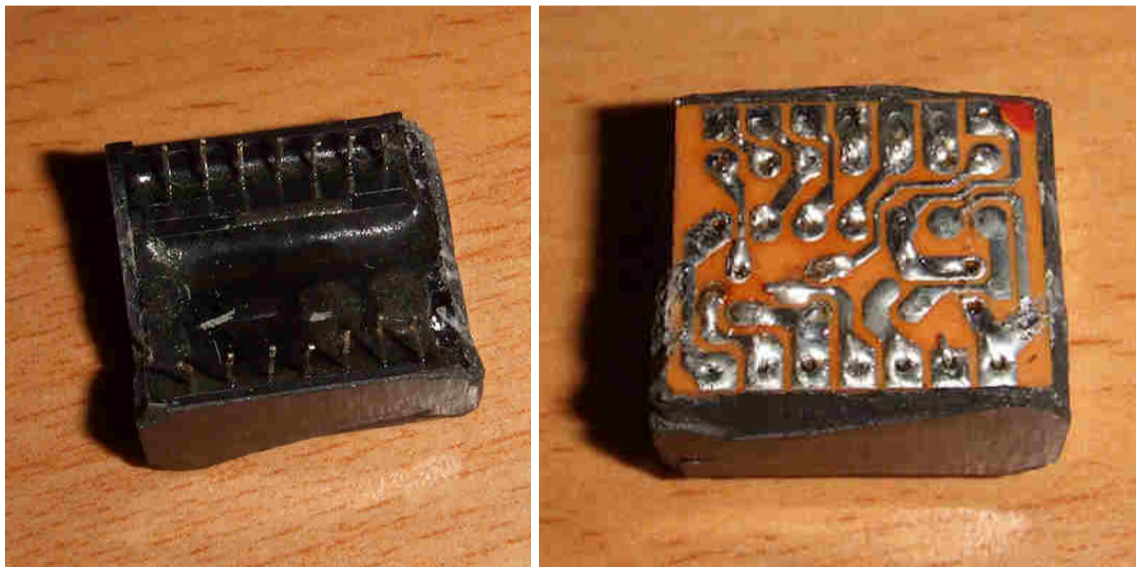
Please apply this modification to Left and Right channels respectively.

Thank you for your attention.

TK/mn

Original Luxman Japan instruction for Luxman dealers and service personel of old DML replacement ^

Old DML's opened:



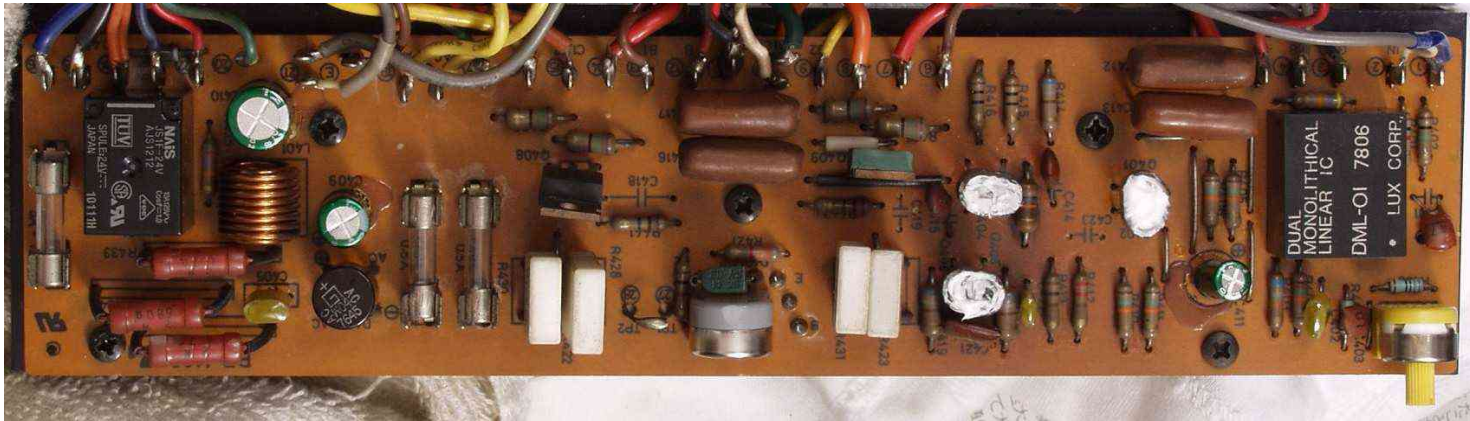
cracking an old blown DML ^

the pcb inside ^

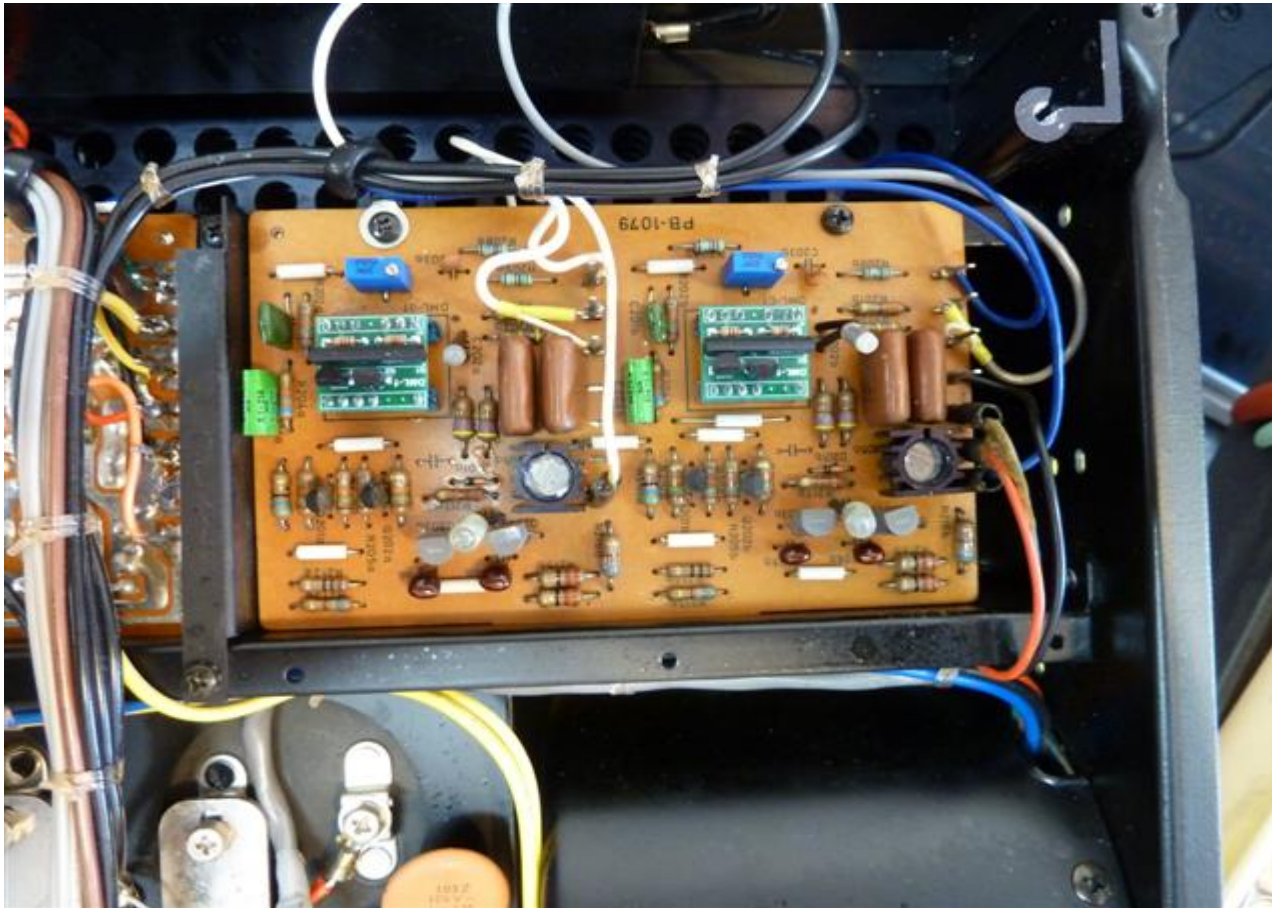


The whole assembly of the DML, the resin removed ^

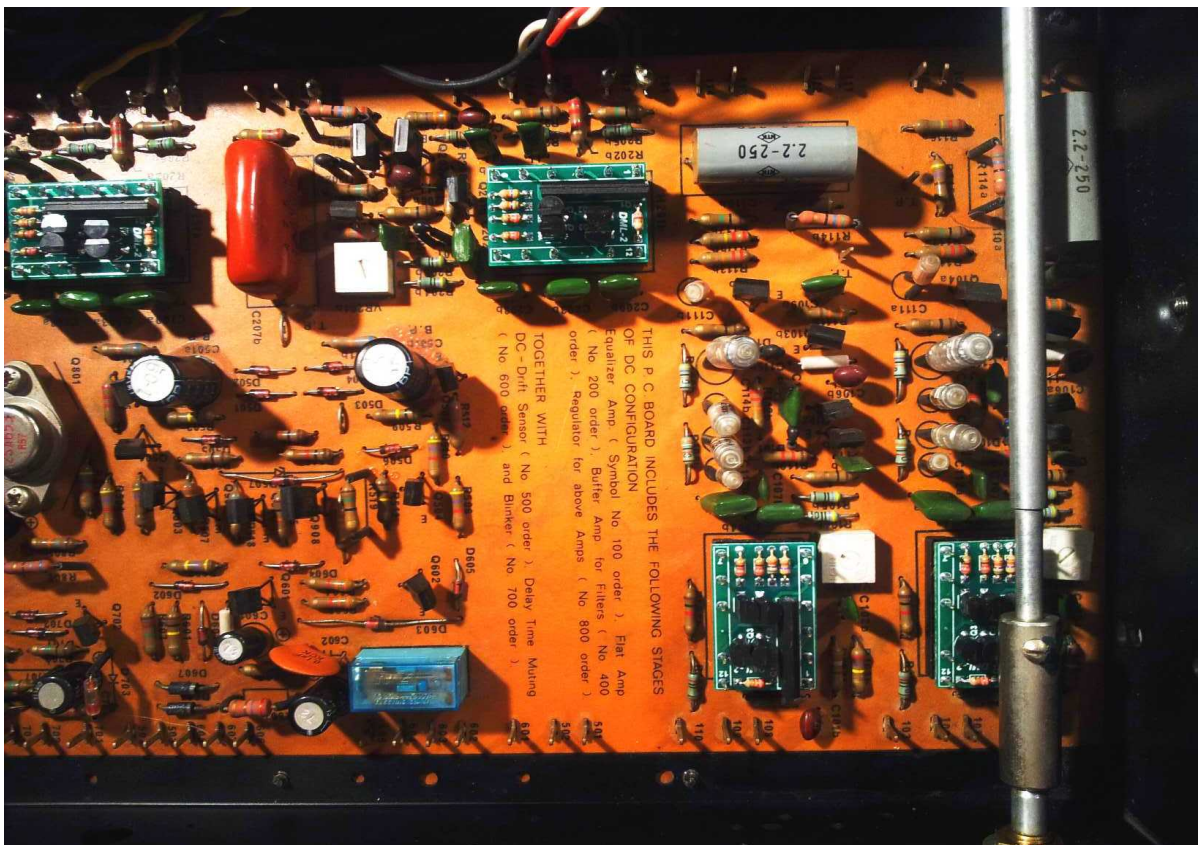
Old DML-01 on the pcb of a vintage Luxman amplifier, this is a blown DML's that need to be replaced:



The DML-01 new version installed in a Luxman 5M21, also the new pots are visible. Looks great not? V

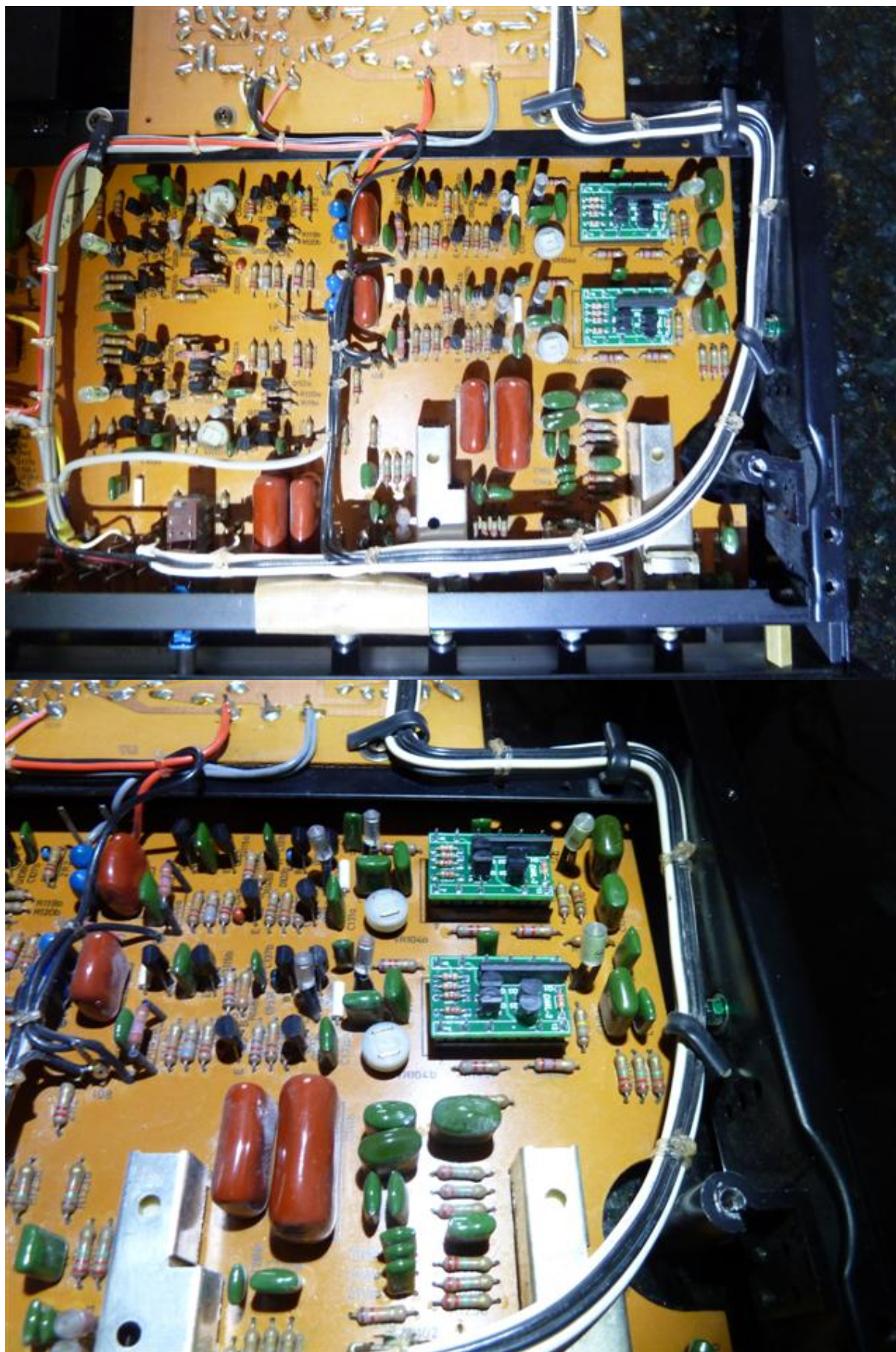


Luxman 5C50:



Our new DML-02 units in two different Luxman 5C50 ^





The new DML-02 units in a Luxman 5F70 ^

LUXMAN

© Hans Hilberink ® 2003-2022, PE1MMK & "The Secret DML Lab" Tx. USA.
also thanks to Andrea Paganini (USA) for the defect DML.

Last update: 20-08-2022.

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