

# MAPLIN NEWS

## MATINEE ORGAN UPDATE

Following the 2-page section in our last issue we have now found three more possible problems. The page numbers refer to the construction book XH55K.

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24. If you wish the piano to re-trigger when an additional note is played, connect a 1 $\mu$ F 35V tantalum capacitor with its negative lead to the negative end of C179 and its positive lead via a length of wire to the unused pin 13 of IC44. See Figure 13 & 14.

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25. If your Matinée does not seem loud enough at full volume, change R582 to Min Res 220k. It is advisable only to make this change after all the modifications relating to noise previously described have been made.

26. Some constructors have noticed an audible click or thump when Wah is turned on for the first time. To eliminate this, add two resistors. One, a Min Res 470k should be connected under the pcb between the collector and emitter of TR51. See Figure 15. The second, a Min Res 100k, is connected on the top side of the pcb at S34, between the centre and back pins of the left side of section 'a'. See Figure 16.



Figure 13. Piano re-trigger modification (tantalum end).

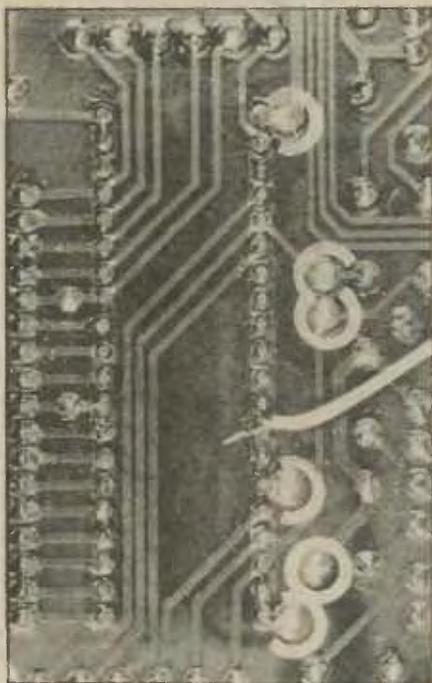


Figure 14. Piano re-trigger modification (M108 end).

## QUICK-FIT METERS

Some of the technical details relating to these meters in our last issue were incorrect. The internal resistance of the following meters is as shown below:

10mA DC	5 $\Omega$
50mA DC	1.8 $\Omega$
100mA DC	0.8 $\Omega$
500mA DC	0.5 $\Omega$
1A DC	0.3 $\Omega$
5A DC	0.2 $\Omega$

Our apologies for this error.

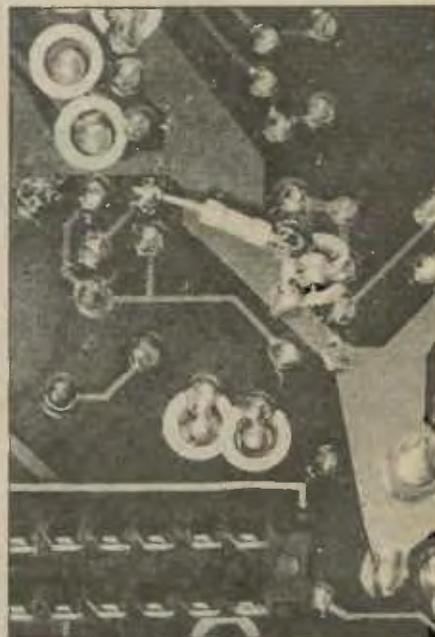


Figure 15. Elimination of click on Wah switch (underside).

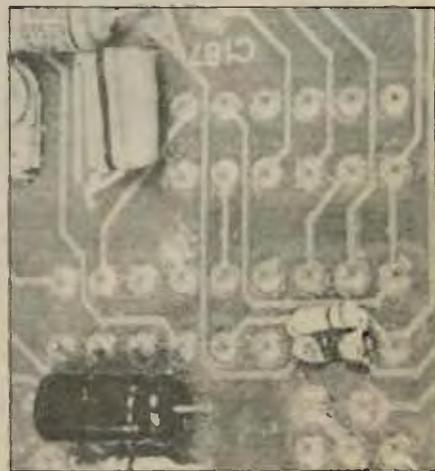


Figure 16. Elimination of click on Wah switch (topside).