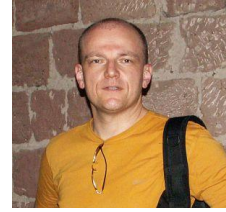


## FM detector fix



Some users reported a bad FM signal detection on weaker signals. This is also what I recognized at all my 3 Lincolns I owned in the past years.

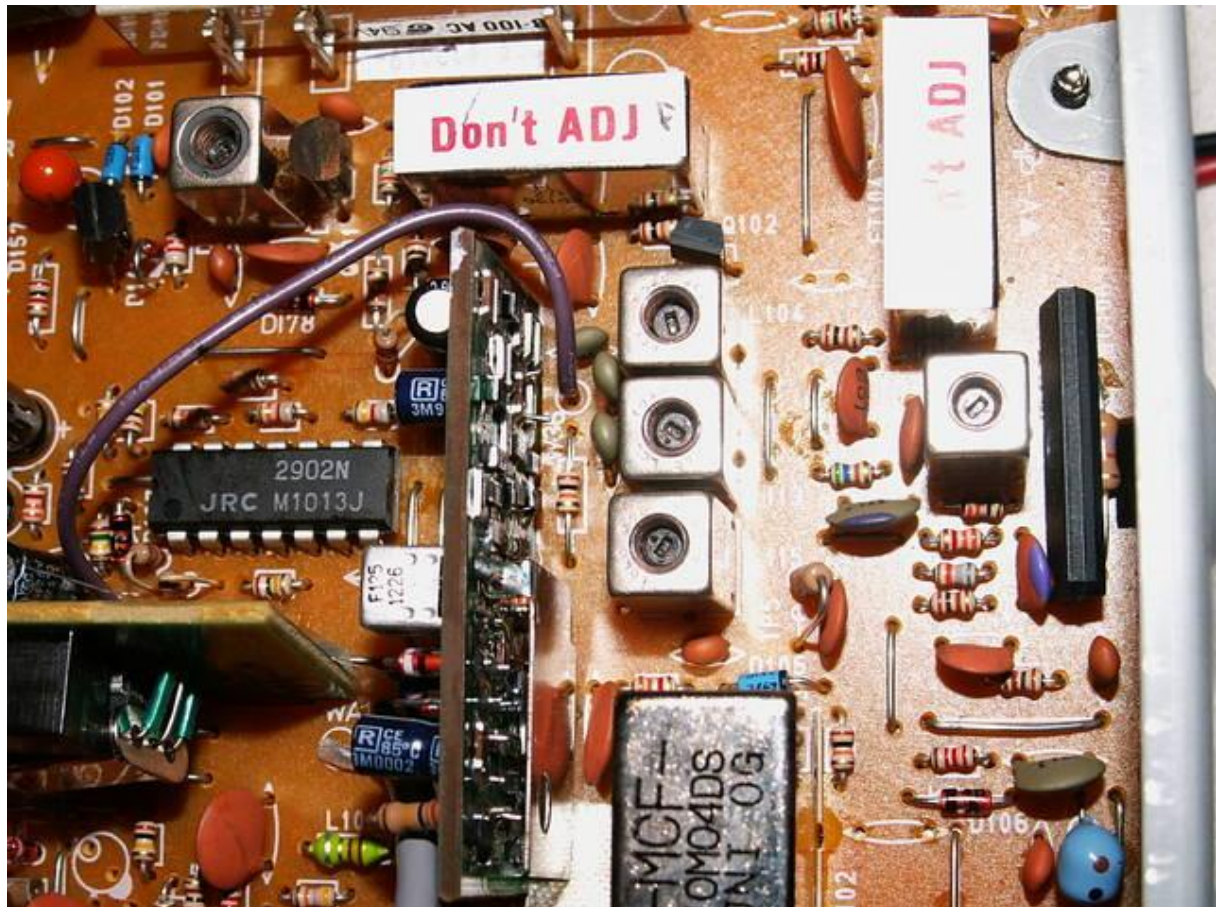
The reason and the fix are simple.

The input of the FM detector stage is wired from L104 through a serial resistor of 10k (R1 in the schematic) toward the FM detector IC. But the schematic says "1k" instead.

With 10k the FM input signal is attenuated so strong, that the detection below S5 gets more and more worse. You hear more FM-noise than the FM-signal itself, meaning the S/N ratio gets worse.

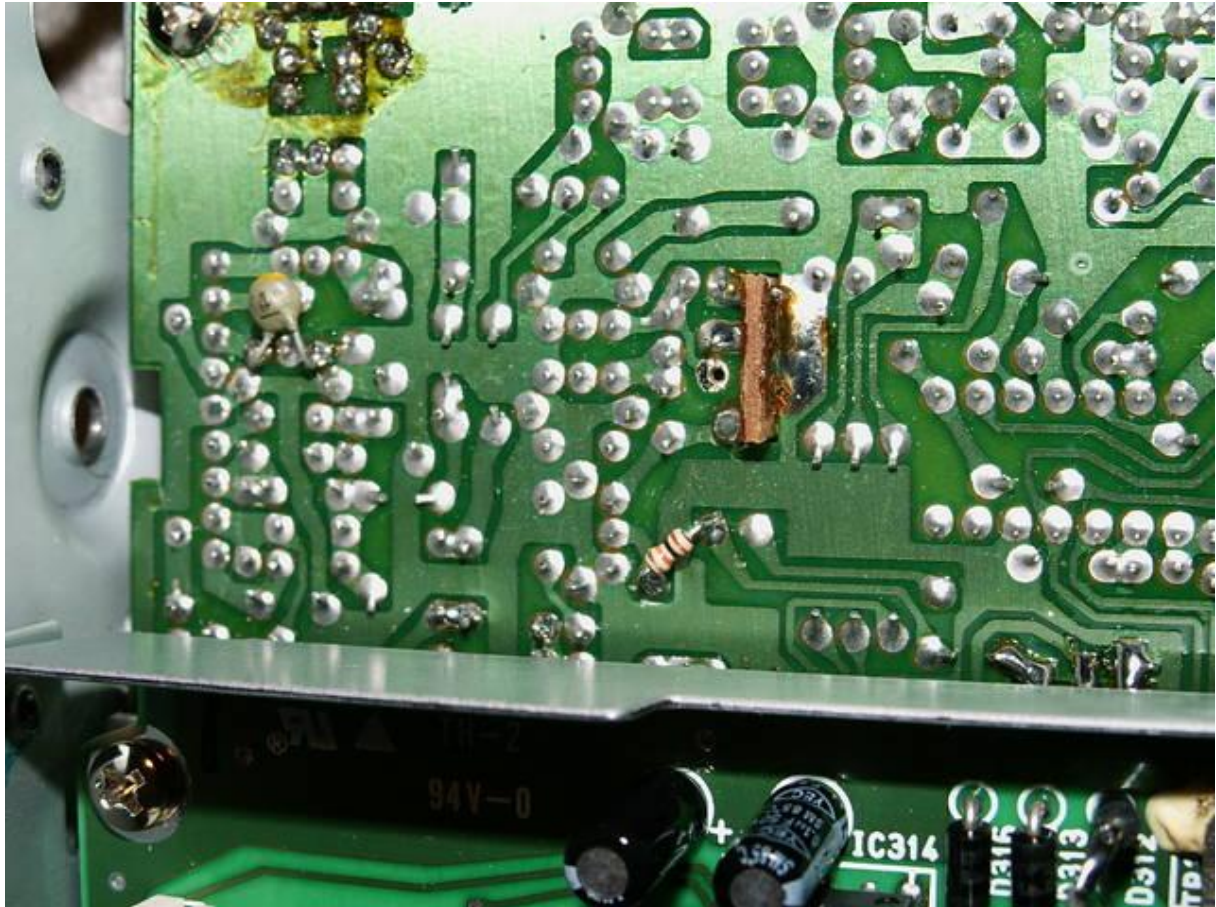
The fix is easy:

1. Just replace R1 (10k) with its correct value of 1k.
2. Check and possibly re-align L104 (only !!!) for maximum signal. Use a plastic screwdriver only.



Another possibility would be, to wire the new 1k resistor on the downside and use the (unused) middle pin of L115 instead. Check and possibly re-align L115 for maximum signal level.

Both versions work great on all my modded Lincolns and those from friends and I cannot tell you any difference on either the L104 or L115 version.



Finally your President Lincoln receives and detects weak FM signals in the same great way like any common CB transceivers.

## Disclaimer • Disclaimer of liability

This modifications mostly need to be done by a electronic specialist who had enough practise and who has knowledge in SMD soldering. You do the modifications on your own risk !

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