

## TR-505 ROM Expansion

Installation Instructions  
& Sound Chart

### This kit includes:

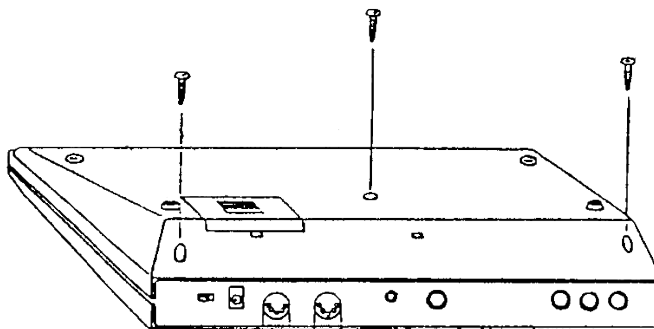
- 1x Pre-assembled PCB
- 1x 28-way IC socket
- 2x SPDT toggle switches

### You will need:

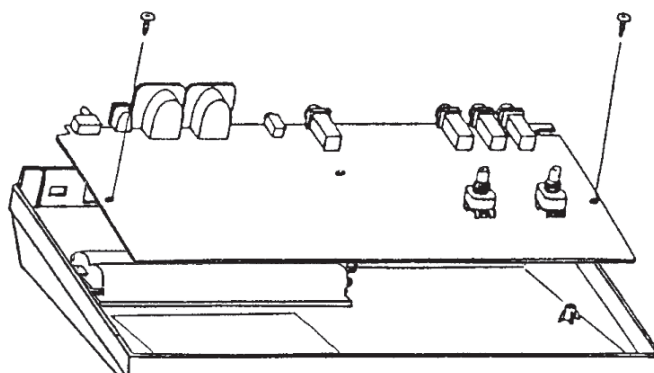
- Fine tipped soldering iron & solder
- De-soldering pump or braid
- Phillips head screwdriver
- Wire strippers
- Small gauge stranded-core wire

# Installation

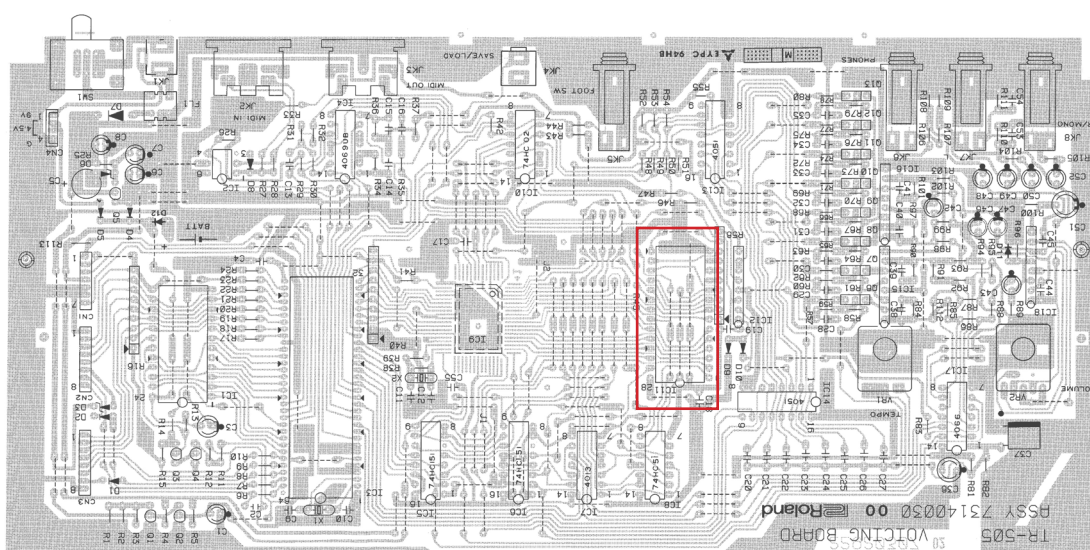
1. Remove any batteries if they are installed, and remove the 3x screws on the bottom of the TR-505, along with the VOLUME and TEMPO knobs on the top.



2. Separate the two halves of the case. Unplug the 3x Molex connectors joining the top case to the bottom, as well as the connector from the battery box. Remove the 2x screws which secure the main board to the bottom case and lift it out of the case.



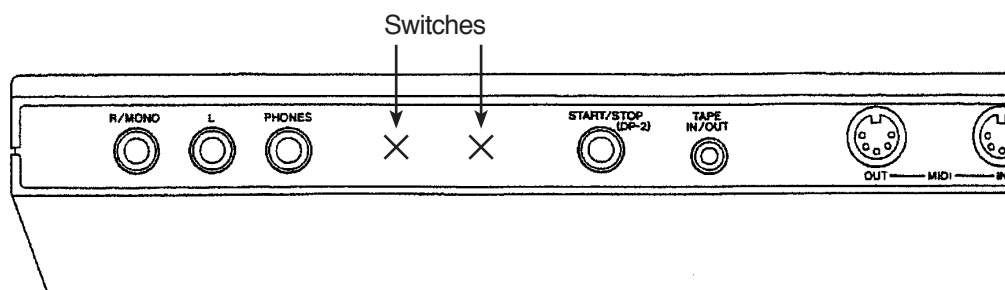
3. Locate IC11 on the main board and desolder it, being careful to not lift any pads. In its place, solder the included IC socket. The original Roland chip is no longer needed, but you might want to keep it somewhere safe.



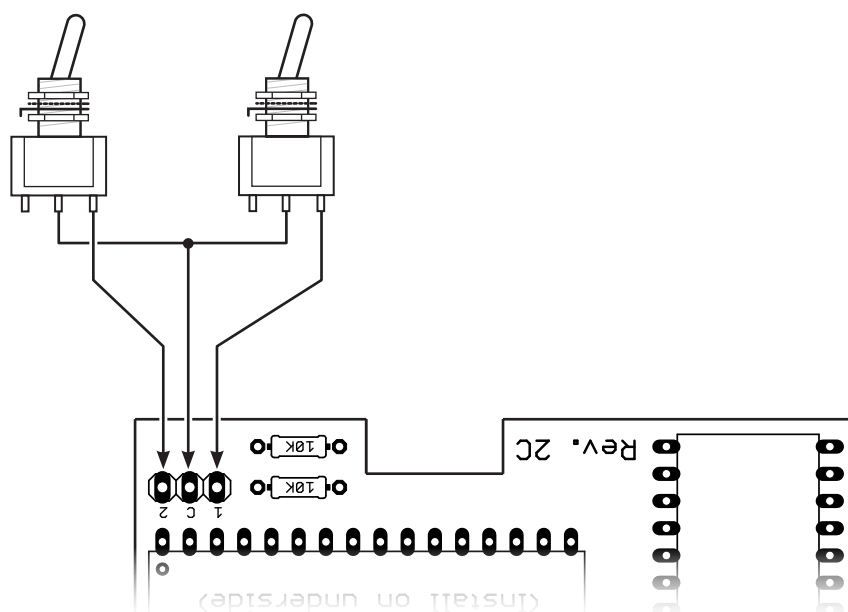
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## Installation

4. Plug the expansion board into the IC socket. It will only go in one way round, but make sure that all the pins are aligned correctly with the socket.
5. Reinstall the main board in the bottom case and replace the 2x screws, as well as the battery connector. Drill the holes for the toggle switches in the back panel, being careful to not hit any components with the drill bit.



6. Connect the toggle switches to the pads on the expansion board as shown:



7. Reconnect the cables from the top case and reassemble the TR-505. Make sure that no wires are being pinched. Replace the 3x case screws and VOLUME and TEMPO knobs.
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## Sound Banks

The ROM Expansion has four sound banks, which are accessed with different combinations of toggle switch positions (there are four possible combinations in total). The sound banks are as follows - Stock TR-505, LinnDrum, LM-1 and DMX.

Which combination of switches corresponds to which bank depends on which way up you've fitted the switches, but with both in the off position, the DMX bank will be selected. With both in the on position, the TR-505 bank will be selected.

### Stock TR-505 Bank

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|           |            |         |             |            |           |               |             |
|-----------|------------|---------|-------------|------------|-----------|---------------|-------------|
| LOW CONGA | HI CONGA   | TIMBALE | LOW COWBELL | HI COWBELL | HAND CLAP | CRASH CYMBAL  | RIDE CYMBAL |
|           |            |         |             |            |           |               |             |
| BASS DRUM | SNARE DRUM | LOW TOM | MID TOM     | HI TOM     | RIM SHOT  | CLOSED HI-HAT | OPEN HI-HAT |
|           |            |         |             |            |           |               |             |

### LinnDrum / LM-1 / DMX Banks (all share same layout)

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|           |            |            |         |        |           |               |             |
|-----------|------------|------------|---------|--------|-----------|---------------|-------------|
| LOW CONGA | HI CONGA   | TAMBOURINE | COWBELL | SHAKER | HAND CLAP | CRASH CYMBAL  | RIDE CYMBAL |
|           |            |            |         |        |           |               |             |
| BASS DRUM | SNARE DRUM | LOW TOM    | MID TOM | HI TOM | RIM SHOT  | CLOSED HI-HAT | OPEN HI-HAT |
|           |            |            |         |        |           |               |             |

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**Help! Sounds have a digital-sounding distortion, like they are ring modulated.**

Check your soldering on the chip socket that you fitted - this is nearly always caused by dry or bridged solder joints. You can check your work by fitting the original Roland sound ROM back into the socket on the TR-505 voice board and seeing if the problem persists.