

THE CHORIZO MOD

Chorus Noise Reduction Modification for the Roland JX-8P

December 2025

During the testing of Guy Wilkinson's P0004 replacement power supply for the Roland JX-8P, an issue was highlighted; the JX-8P's chorus circuit is remarkably noisy!

The modifications detailed in this document, considerably reduce the noise and are recommended whether a P0004 is installed or not.

The chorizo mod comprises the following component changes and additions:

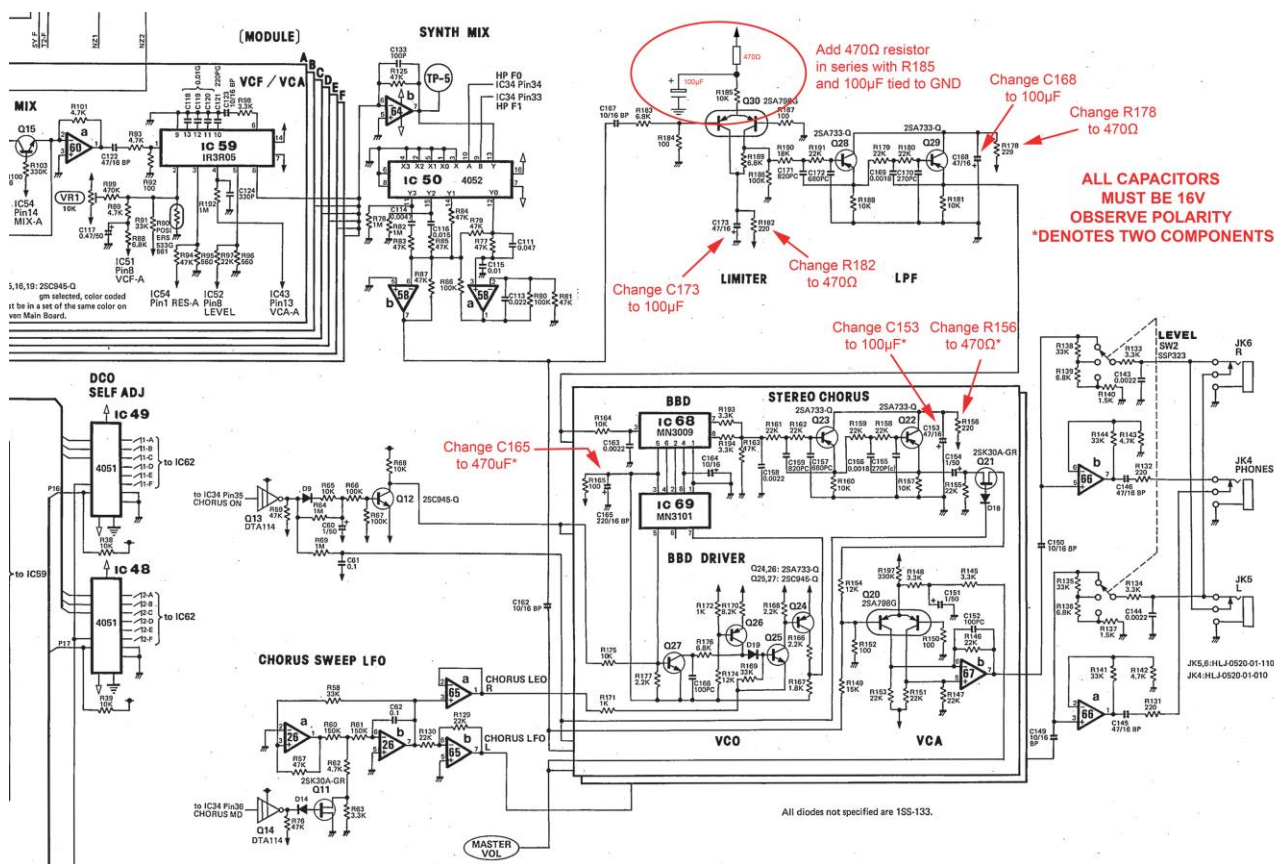
Change C165 (there are two of these) to 470uF / 16V

Change R182, R178, R156 (there are two of these) to 470Ω

Change C173, C168, C153 (there are two of these) to 100uF / 16V

Add a 470Ω resistor in series with R185 in between R185(10k) and Q30.*

* Connect an additional 100uF / 16V capacitor between the node of Q30 and R185 and the 470Ω resistor with the positive terminal of the capacitor connected to the node and the negative terminal of the capacitor connected to analogue ground. The most convenient analogue ground is the nearest TPAG.



If you really want to go to town, you could change U67 for something like a NJM2060.

Plasma Music Limited

COMPONENT RECOMMENDATIONS

REF	QUANTITY	ORIGINAL	NEW	EXAMPLE COMPONENTS
C165	2	220 μ F	470 μ F	Panasonic EEUFM1C471L
R182	1	220 Ω	470 Ω	TE Connectivity CFR16J470R
R178	1	220 Ω	470 Ω	TE Connectivity CFR16J470R
R156	2	220 Ω	470 Ω	TE Connectivity CFR16J470R
C173	1	47 μ F	100 μ F	Panasonic EEUFC1C101
C168	1	47 μ F	100 μ F	Panasonic EEUFC1C101
C153	2	47 μ F	100 μ F	Panasonic EEUFC1C101
R(new)	1	N/A	470 Ω	TE Connectivity CFR16J470R
C(new)	1	N/A	100 μ F	Panasonic EEUFC1C101

R(new): Place in between +15V and R185.

C(new): Place in series with above connecting (-) of capacitor to ground.

2 x 470 μ F / 16V

5 x 100 μ F / 16V

5 x 100 Ω / 0.125W (carbon will be fine)