

marantz

SERVICE BULLETIN

model number 4240	bulletin number M-4240-A
for serial numbers Below 100001	
subject Elimination of AC Line Switching Transients	
engineering approval <i>E. Leggett</i> <i>(Signature)</i>	date 10-7-74

In some homes AC line switching transients from home appliances, such as refrigerators, may cause an audible "pop" to be heard in the speakers. The transient is transmitted via the house wiring.

When you receive this specific customer complaint for one of these receivers the following modification is recommended:

PARTS REQUIRED

<u>Qty.</u>	<u>Description</u>	<u>Value/Rating</u>	<u>Part Number</u>
2	Ceramic disc capacitor	1000pF, 50VDC	314-1028-000
2	Ceramic disc capacitor	0.01mF, 50VDC	383-1000-000

Modification Procedure:

1. Connect a 1000pF ceramic disc capacitor between pins number 2 and 3 of IC H401 and IC H402 on the foil side of the Phone Preamp Board, (See figures 1A and 1B).

PHONO AMP. PCB (FOIL SIDE)

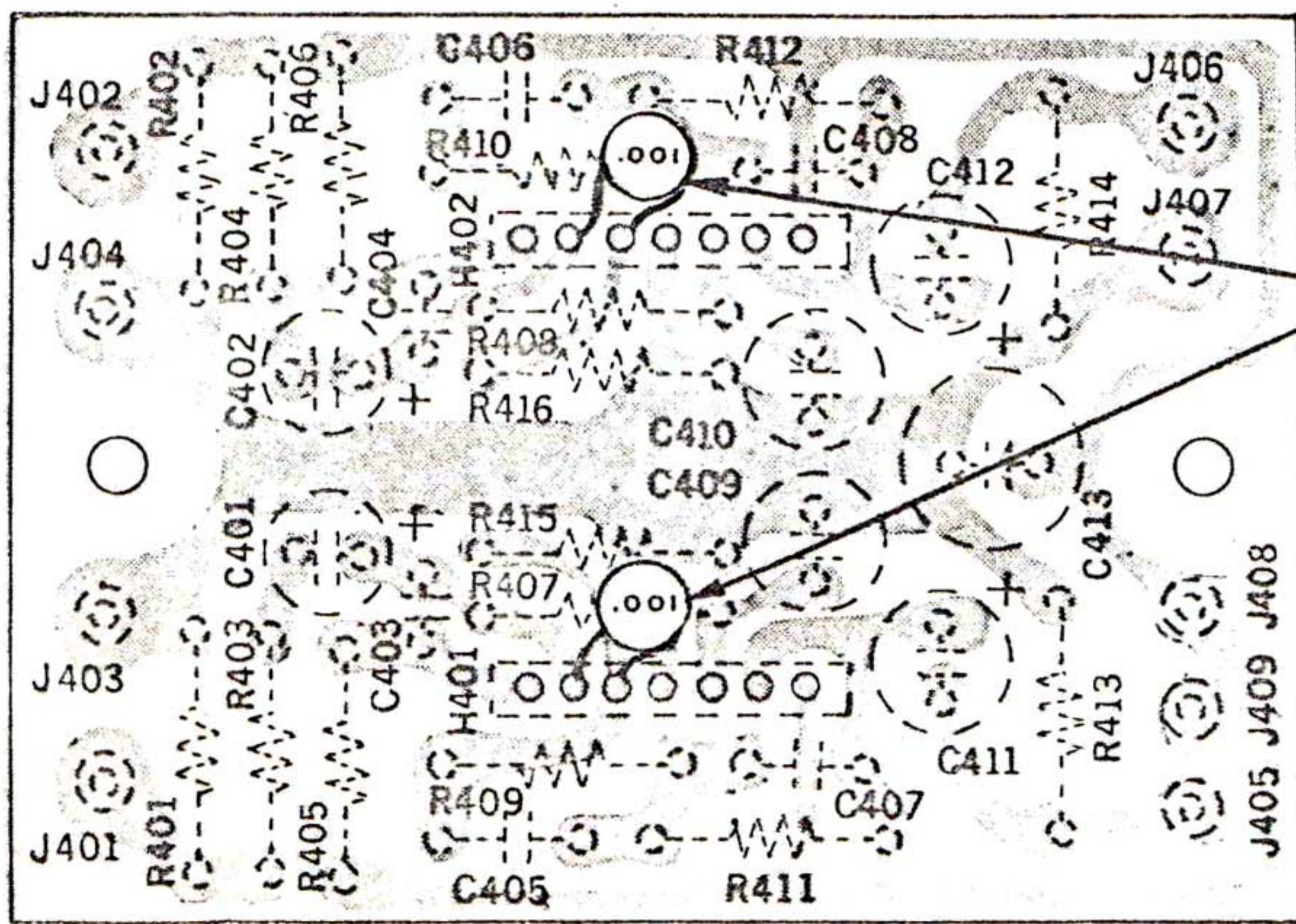


Fig. 1A

SCHEMATIC CHANGE

ADD
1000 pF, 50 VDC CAPACITOR
314-1028-000

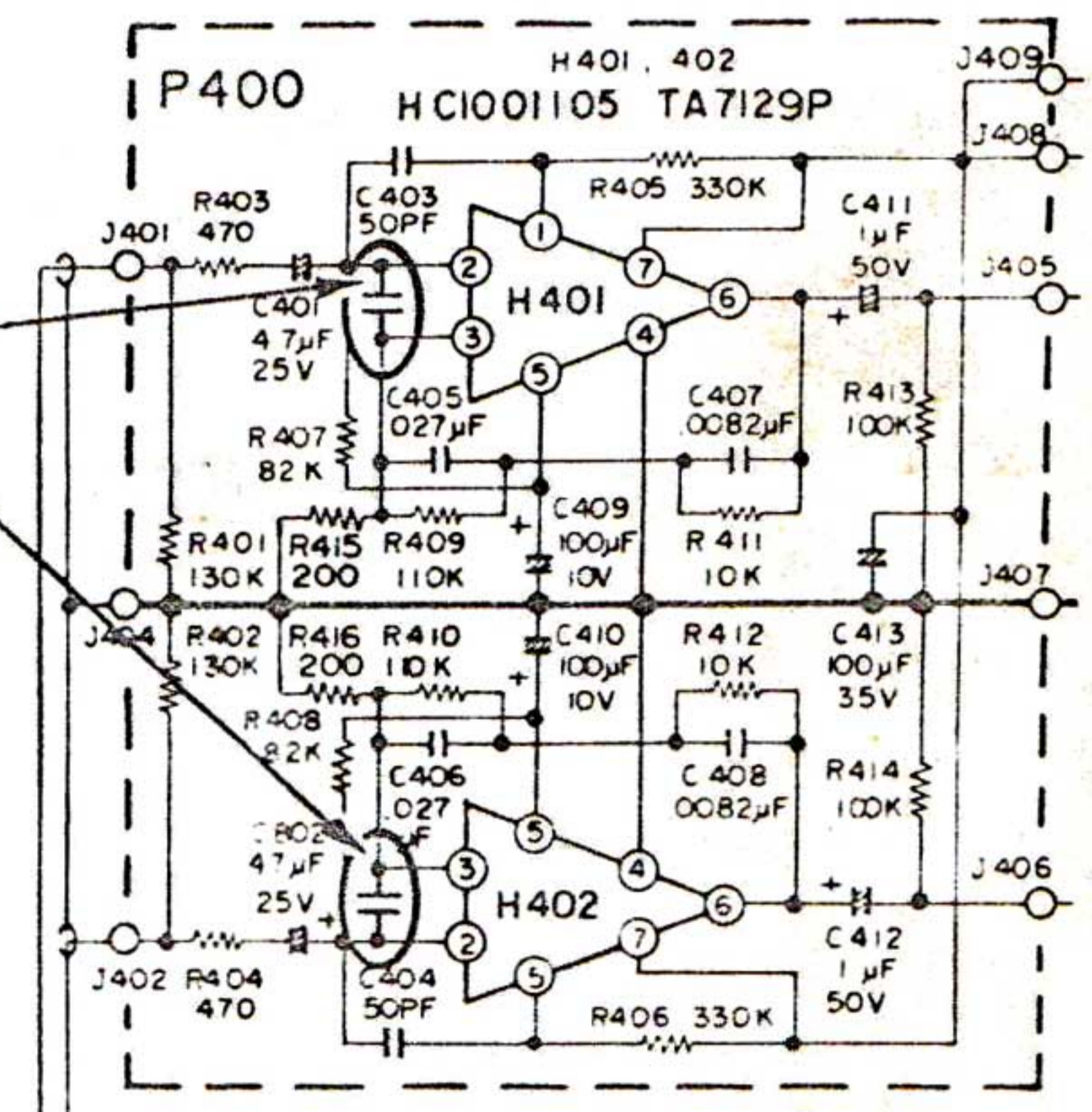
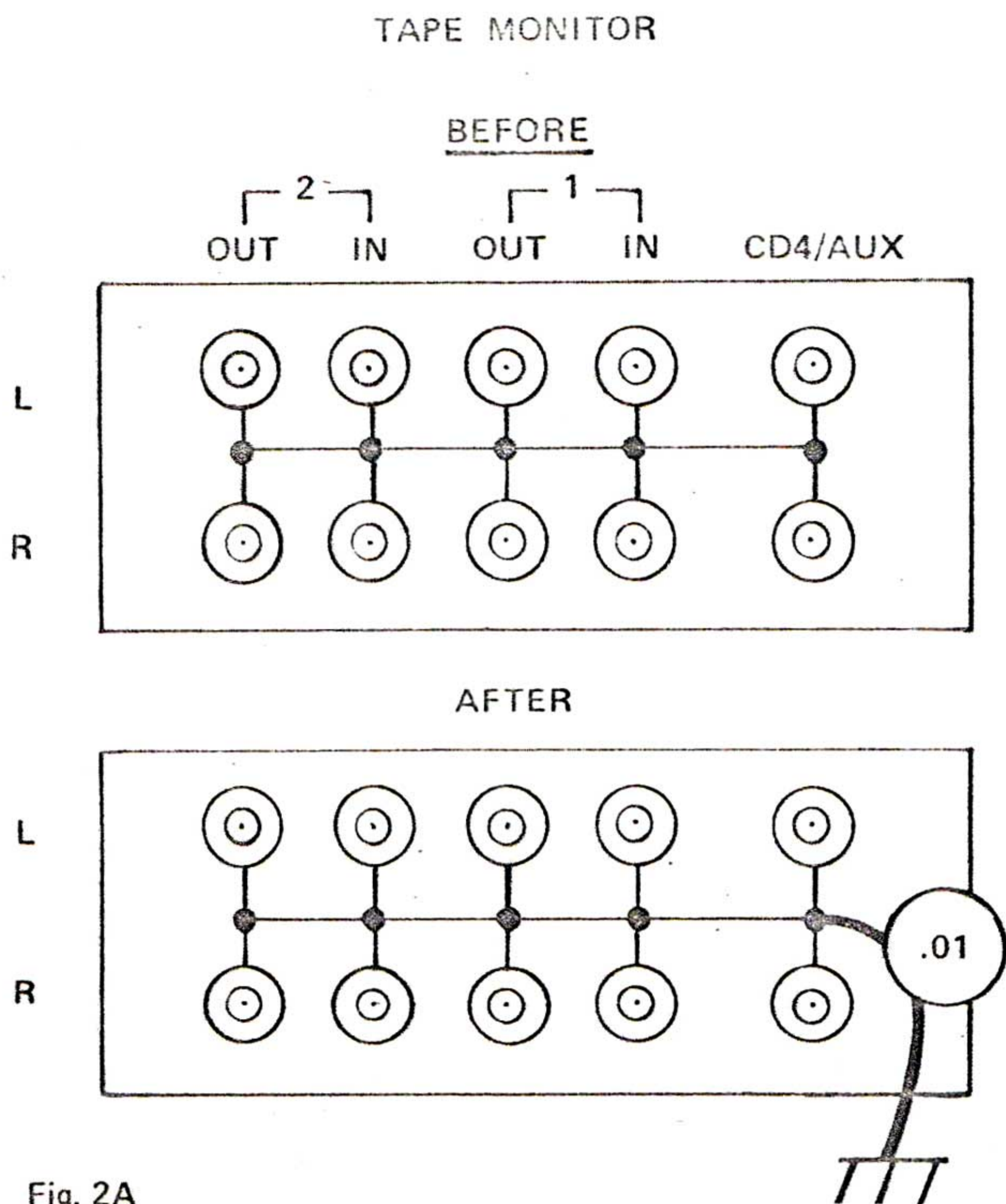


Fig. 1B

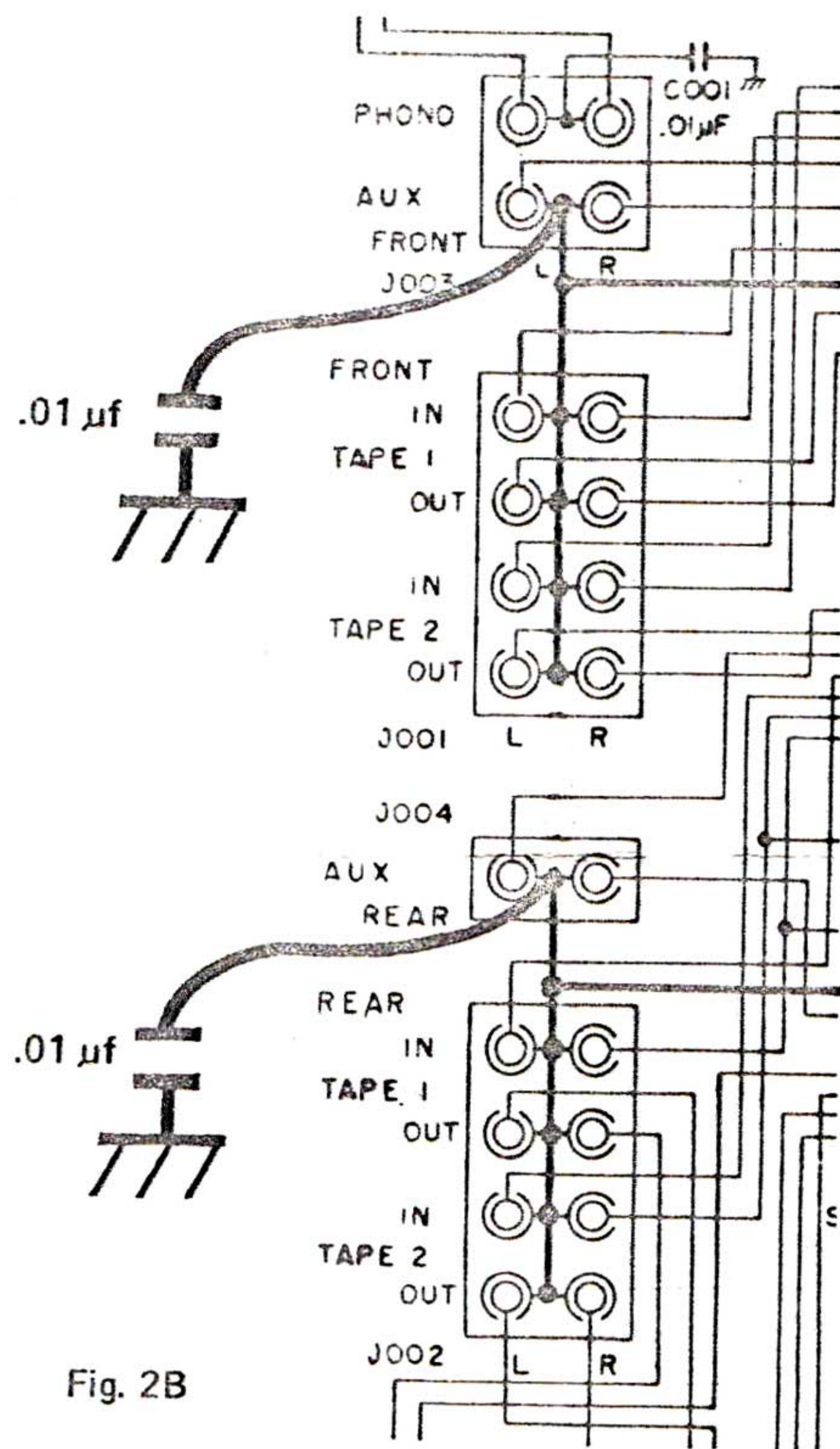
Modification Procedure (cont'd):

2. Connect a 0.01 μ F ceramic disc capacitor between chassis and common grounding bus of front channel AUX, TAPE IN and TAPE OUT jacks. Also, connect another .01 μ F capacitor between chassis and common grounding bus of rear channel AUX, TAPE IN and TAPE OUT jacks, (See Figures 2A and 2B).

REAR VIEW: FRONT/REAR CHANNEL JACKS



SCHEMATIC CHANGE



Note: Keep capacitor leads as short as possible to avoid lead inductance which would reduce their effectiveness.

Albert Almeida
 Albert Almeida, Manager
 Technical Services