Hybrid Stereo Pre-amplifier TU - 875 Assembly Instruction Manual

Features

This is a simple preamplifier without tone control. The pre- amplifier has a volume and balance control, a phono equalizer and a MC head amp. It is also compatible with / a MM/MC cartridge.

A hybrid construction using J-FETwith a MC head amp and equalizer to give a low noise effect without compensating the quality of music produced by the tubes. An AC adapter (DC 7V stabilized power outlet) is separate and is used as a power supply. A secondary power for the vacuum tubes is supplied by a steady DC 200V from the DC-DC converter of a sealed box. With the main body and power supply separated, the electromagnetic hum-noise is reduced.

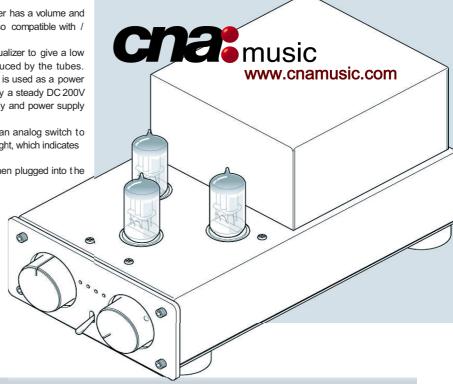
The pop noise muting circuit uses a relay method rather than an analog switch to prevent sudden large amplitude response of the tubes. The LED light, which indicates power input, will blink from power on to muting cancellation.

LINE-1 and LINE-2 are compatible with monophonic sources. When plugged into the L-side alone, the R-side will be automatically turned on.

A printed circuit board is included f or easy assembly

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CAUTIONS

For your own safety, please read the "Assembly Instruction Manual" carefully before you begin assembing this preamp kit.

Please follow the instruction step by step for correct assembly.

Do not work near any source of water or allow any components to get wet which may cause fire and electric shock.

Do not put containers with w ater on the work table such as vases, cups, cosmetics, and drugs. Spilling water on components will cause fire and electric shock.

Keep out of reach of small children during assembly, usage and storage. Please discard packing waste and any waste from assembling the kit according to social standard for safety and protection of the en viroment.

Read the "Assembly Instruction Manual" carefully and be sure to fully understand the instructions before assembling.

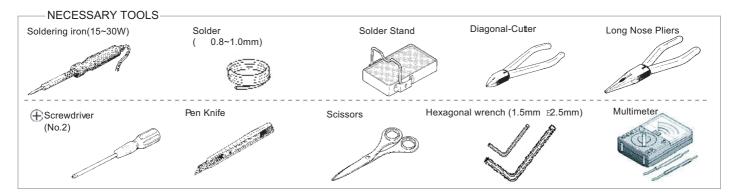
Be careful when handling tools; diagonal cutters, pen knives, and other sharp tools in particular.

Do not work near young children due to safety concerns. Children must not play with tools, plastic bags and electronic parts as they may cause harm.

Some essential pieces in this kit include small and sharp objects that are made of glass or metal. Be extremely careful. If by any chance a child has swallowed any of these items, immediately consult a medical doctor.

This product and its components may differ without notice.

f Please keep this instruction manual handy at all times.



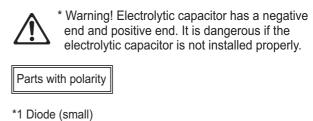
2. Circuit Board Assembly

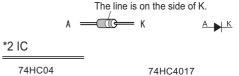
* The double-sided circuit bard is a through-hole circuit board. be very careful when assembling the parts and make sure they are in the cirrect marked position. Once a component has been soldered, it is very difficult to remove. If it is necessary to remove a soldered component, be sure to use a solder wick or a solder sucker.

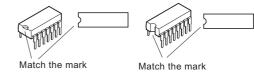
A. Circuit Board Assembly

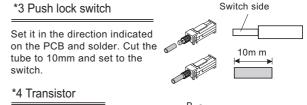
* The side with white printing faces upwards. The soldered side faces downwards.

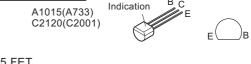
Part List	Value	Part Number	
Diode	value 15Ω (Brown Green Black Gold)	R81, 82	H
	220 Ω (Red Red Brown Gold) 1k Ω (brown Black Red Gold)	R1, 2, 7, 8, 66 R57, 58, 59, 60, 61, 62, 67, 68, 69, 70, 75	
	$\begin{array}{c} 2\ 2k\Omega\ (\text{Red Red Red gold})\\ 3k\Omega\ (\text{Orange Black Red Gold})\\ 6\ 8k\Omega\ (\text{Blue Gray Red Gold})\\ 22k\Omega\ (\text{Red Red Orange Gold})\\ 33k\Omega\ (\text{Orange Orange Orange Gold})\\ 68k\Omega\ (\text{Blue Gray Orange Gold})\\ 120k\Omega\ (\text{Brown Red Yellow Gold})\\ 200k\Omega\ (\text{Red Black Yellow Gold})\\ 680k\Omega\ (\text{Blue Gray Yellow Gold})\\ 0.47\Omega\ (1W/R47) \end{array}$	R63 R11, 12, 65 R9, 10, 76 R15, 16 R79 R64, 71, 77, 78 R3, 4, 5, 6, 73 R13, 14, 17, 18, 41, 42, 72 R74 R83	
Diode (small)	Red with a white line		*1
IC	74HC04 74HC4017		*2
Push lock switch			*3
Base pin	Marked as ○ (3 locations)		
Transistor	A1015 (or A733) C2120 (or C2001)		
FET	K170		*4
Film capacitor	0.68 μ F(684)		*5
Myler capacitor	0.1 μ F(104)		
Nonpolar electrolytic capacitor	10 μ F / 16V		
Electrolytic capacitor	100 μ F / 16V 33 μ F / 100V 22 μ F / 350V 2200 μ F / 16V		*6
Relay			Ш
Toggle switch			
GND bracket	MO 0 (11 1) 0		*7
Screw	M3x8 (black) 2pcs		
Tube			\vdash
Shaft			Н
DC Jack 4P RCA Jack			\vdash
4F NOA Jack			













* Try to have the toggle switch /DC Jack / 4 pin RCA Jack to sit straight when soldering.

*6 Electrolytic capacitor

The side with longer lead is positive.





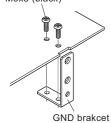
The side with shorter lead is negative. * Place the capacitor vertically.

*7 GND bracket

1 PHONO GND

Fix the bracket with black M3x8 screws on the marked position.

M3x8 (black)



Insert the shaft into the push lock switch.

