

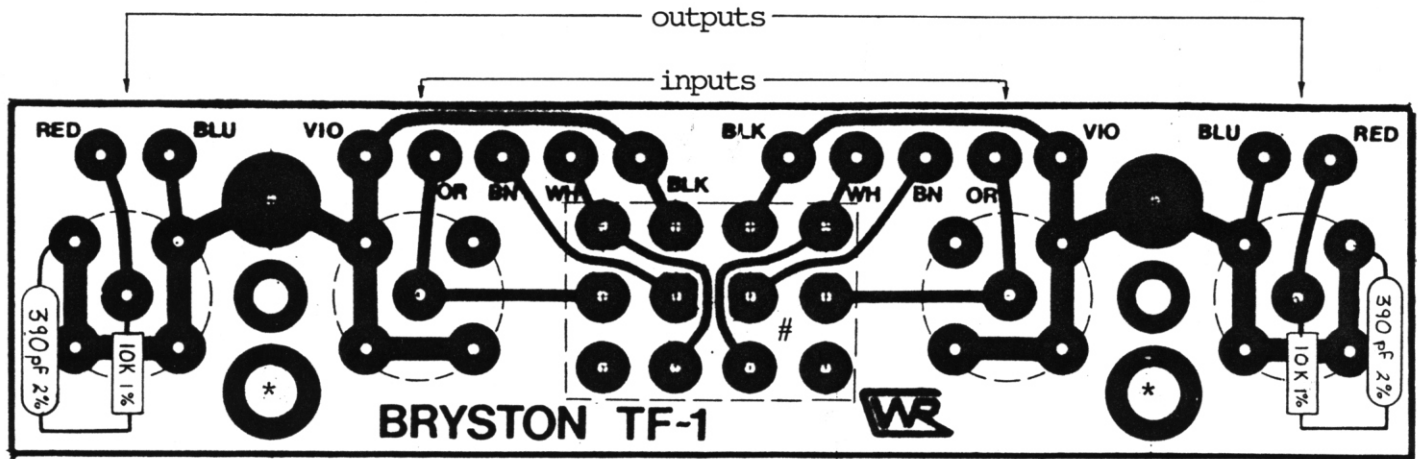
BRYSTON

TF1

**MOVING COIL STEP UP TRANSFORMER
USER MANUAL**

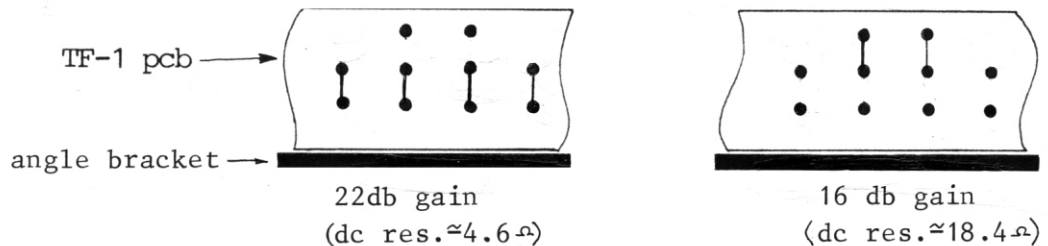
OCT 86

ASSEMBLY OF BRYSTON TF-1 MOVING COIL STEP-UP TRANSFORMER PACKAGE



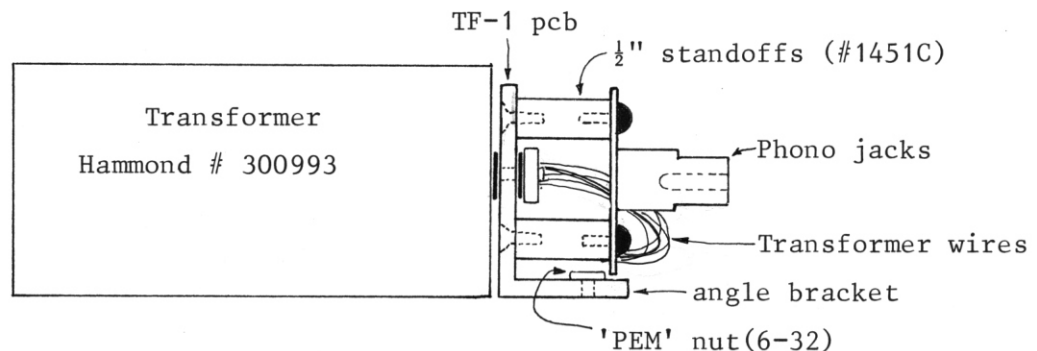
These twelve holes must be re-drilled to .043" [#57 drill] to accomodate Cambion swage mount pins [#460-2983-02-04-00] which are to be mounted from the component side of the TF-1 pcb. These pins will be used as Gain Programming Pins. Programming either 16db or 22db of gain will be accomplished by strapping appropriate pins with bus wire as shown below.

Programming
Options
(front view)



Install four gold plated phono (RCA) jacks, and ten Cambion swage mount pins.

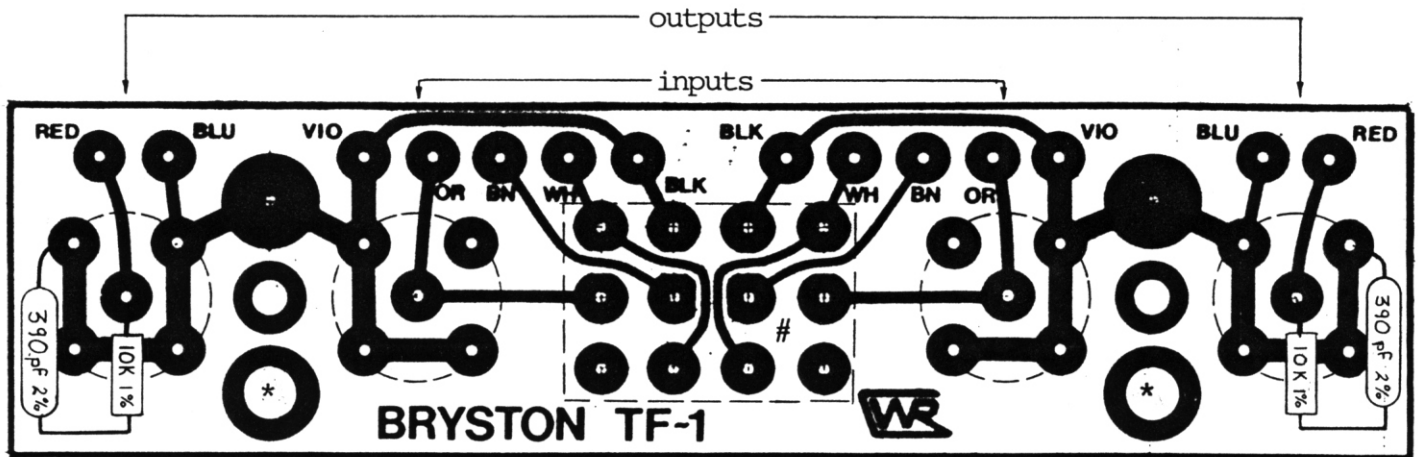
Solder a 10K/1w(1%) resistor in series with a 390pf polystyrene capacitor (2%) between output pin of phono jack and ground trace of each transformer as shown above.



Transformer is fastened to angle bracket using a 6-32 nut and two split lock washers, one between the transformer and angle bracket and one between angle bracket and 6-32 hex nut.

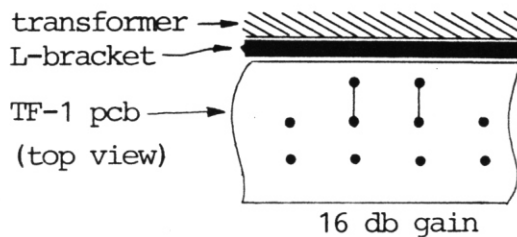
Transformer wires must be cut to the following lenthls, (stripped and tinned 1/8")

RED 2.0"	BLUE 1 7/8"	VIOLET 1 7/8"	ORANGE 2.0"	BROWN 2 1/8"
WHITE 2 1/4"	BLACK 2 3/8"			

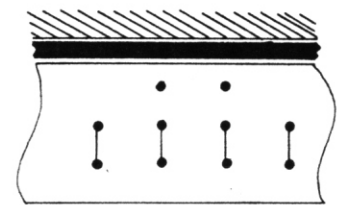


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Programming
Options



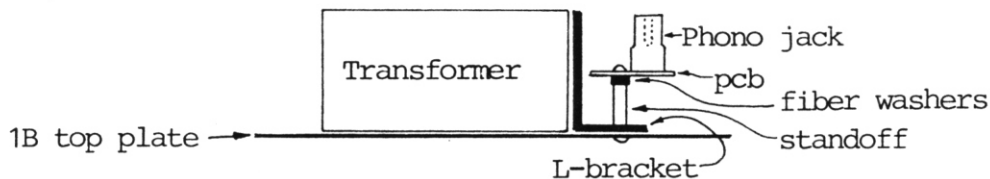
16 db gain



22 db gain

TF-1 pcb will be mounted onto L-bracket by two $\frac{1}{2}$ " high swage mount standoffs [#1604-2]. Three #6 fiber washers must be inserted between standoff & pcb before being fastened to pcb with 6-32 round head screws. The swage mounting end of the standoff is inserted into the two holes in the L-bracket.

The two holes on the TF-1 pcb marked with an asterisk(*) are the standoff mounting holes.



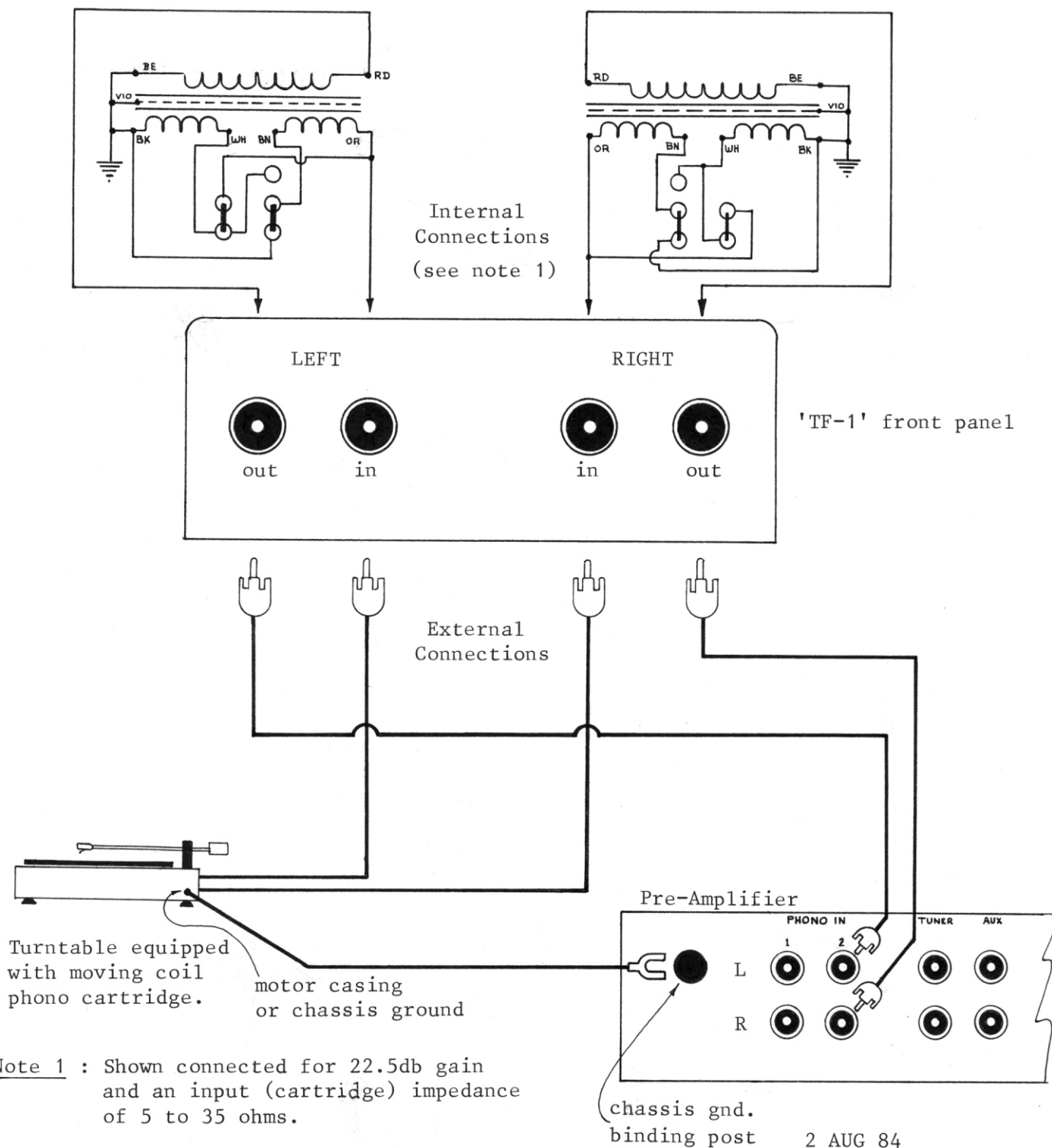
Transformer wires are to be cut down to $1\frac{1}{2}$ " (as measured from the transformer casing) and the braided shield is to be cut back as far as possible to the casing. All transformer leads are to be soldered onto the foil side of the pcb.

Solder a 10K (1%) $\frac{1}{4}$ w resistor in series with a 390pf (2%) polystyrene capacitor between output pin of phono jack (gold) and ground trace of each transformer as shown above.

The four phono jacks must be gold plated.

TF-1 MOVING COIL STEP-UP TRANSFORMER PACKAGE

HOOK-UP DIAGRAM



TF-1 MOVING COIL STEP-UP TRANSFORMER PACKAGE

SELECTION OF GAIN/IMPEDANCE OPTIONS

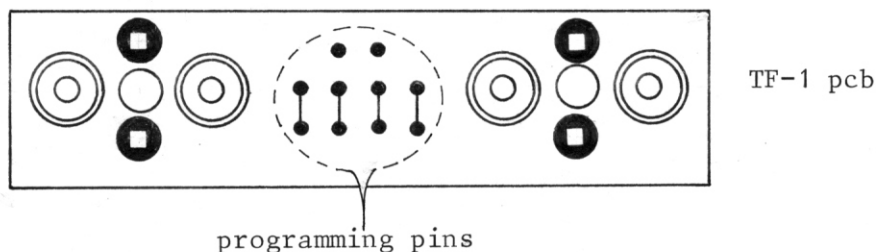
Bryston's "TF-1" transformers have two gain/input impedance options which can be selected by shorting the appropriate "programming pins" as shown below.

N.B. "Impedance", as used here, refers to the optimum range of moving coil phono cartridge impedances that should be used with these transformers.

OPTION 1 : (stock TF-1)

Gain = 22.5 db

Impedance range = 5 - 35 ohms



OPTION 2 :

Gain = 16.5 db

Impedance range = 40 - 250 ohms

