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Technical Document Distribution

Brand:	**Peavey**
Model	**TNT 115**
Product:	**Bass Amplifier**
Description:	**Owners & Schematics**

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OPERATING GUIDE

TNT® 115
Bass Amplifier

Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION Risks of electrical shock — DO NOT OPEN

CAUTION To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer Servicing to qualified service personnel.

WARNING To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.

Este símbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.

Este símbolo tiene el propósito de alertar al usuario de la presencia de "(voltaje) peligroso" que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.

PRECAUCION Riesgo de corrientazo - No abra.

PRECAUCION Para disminuír el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el usuario pueda reparar. Deje todo mantenimiento a los técnicos calificados.

ADVERTENCIA Para evitar corrientazos o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea más advertencias en la guía de operación.

Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit.

Ce symbole est utilisé pour indiquer à l'utilisateur la présence à l'intérieur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.

ATTENTION Risques de choc électrique — NE PAS OUVRIR!

ATTENTION Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.

AVERTISSEMENT Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplémentaires situés dans le guide d'utilisation.

Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

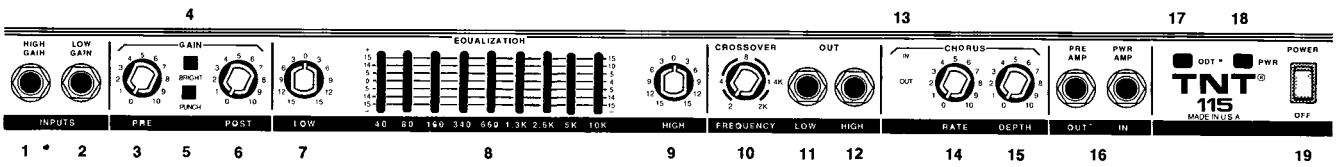
Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.

VORSICHT Risiko - Elektrischer Schlag! Nicht öffnen!

VORSICHT Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung enfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

ACHTUNG Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

ENGLISH



HIGH GAIN INPUT (1)
Used for most electric basses. It is 6 dB louder than the Low Gain Input.

LOW GAIN INPUT (2)
Provided for instruments that have extremely high outputs, which can result in overdriving (distorting) the High Gain input. If both inputs are used simultaneously, the output levels are the same (both are Low Gain).

PRE GAIN (3)
Controls the input gain of the preamplifier.

BRIGHT SWITCH (4)
Provides a preset boost (+8 dB) to treble frequencies. To activate, depress the switch to its "in" position.

PUNCH SWITCH (5)
Provides a preset boost (+8 dB) to midbass frequencies. To activate, depress the switch to its "in" position.

POST GAIN (6)
Controls the overall volume level of the amplifier. The final level adjustment should be made after the desired sound has been achieved.

LOW FREQUENCY EQ (7)
An active tone control (shelving type, ±15 dB) that varies the low frequency range.

CAUTION: Excessive low frequency boost causes greater power consumption and increases possibility of speaker damage.

9-BAND GRAPHIC EQ (8)
Provides ±15 dB equalization at each center frequency.

HIGH EQ CONTROL (9)
An active tone control (shelving type, ±15 dB) that varies the high frequency range.

CROSSOVER FREQUENCY CONTROL (10)
Adjusts the frequency of the crossover dividing network.

CROSSOVER FUNCTION
The amplifier is equipped with a variable electronic crossover network, which allows its use as part of a biamplified system. A "biamped" system is one in which low frequency and high-frequency signals are reproduced by separate power amplifiers and speaker enclosures. Biamped systems provide increased headroom, greater clarity, and superior power handling.

LOW RANGE OUTPUT (11)
Provides a post-crossover low range signal.

HIGH RANGE OUTPUT (12)
Provides a post-crossover high range signal. Signals which appear at this jack may be processed by the chorus circuit.

NOTE: Signal level of high and low range crossover outputs is controlled by the post gain control.

CHORUS IN/OUT SWITCH (13)
Is used to activate/defeat the chorus circuit. To activate the circuit, depress the switch to its "in" position.

NOTE: Chorus footswitch "overrides" push switch.

RATE CONTROL (14)
Controls the sweep rate (frequency) of the chorus effect.

DEPTH CONTROL (15)
Controls the depth (intensity) of the chorus effect.

PREAMP OUT/POWER AMP IN (16)
These jacks are provided for in-line patching of effects devices. To patch an effects unit, connect the Preamp Output to the Input of the device. Next, connect the output of the device to the Power Amp Input (high-quality shielded cables must be used for these connections). The Preamp Output can also be used to route the amplified signal to a mixing console, tape recorder, etc. Connect the Preamp Output, using a shielded cable, to an input of the tape recorder, mixer, etc. This patch does not affect the operation of the amplifier.

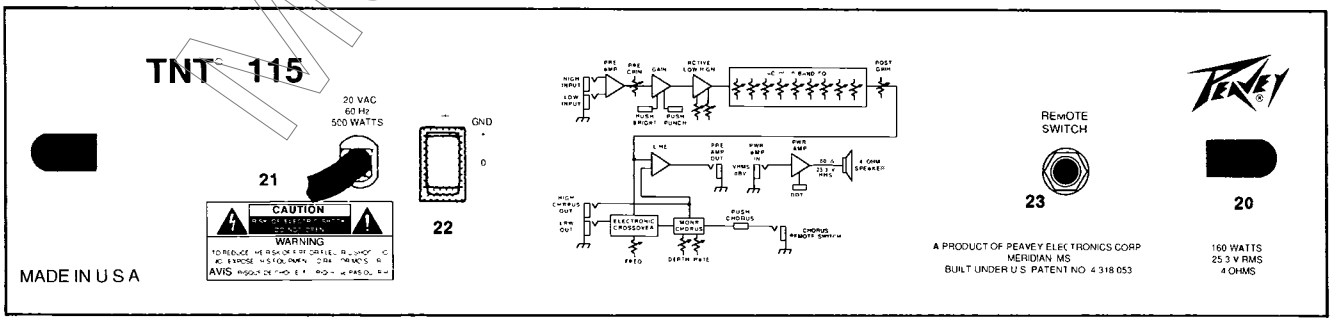
NOTE: The preamp output level is approximately 1 volt RMS and is of relatively low impedance (600 ohms). Any effects device used in this effects loop must be capable of receiving 1 volt input and providing 1 volt output in order to properly drive the power amp. The Power Amp Input has an internal switch which disconnects the internal preamp.

DDT COMPRESSION LED (17)
The amplifier is equipped with the patented DDT compression circuit (U.S. Patent 4,318,053). The compression circuit eliminates audible power amp clipping, reduces distortion, and protects the loudspeaker.

In use, the Compressor LED may occasionally illuminate, indicating that the compressor is engaging to prevent distortion. If the LED is continuously illuminated, Gain control or Low EQ control settings should be reduced to prevent possible loudspeaker damage.

POWER LED (18)
Illuminates when AC power is being supplied to the amp.

POWER SWITCH (19)
Depress the switch to the "On" position. The red pilot light (LED) will illuminate indicating power is being supplied to the unit.



LINE (MAINS) CORD RETAINERS (20)
Allow storage of mains cable for travel.

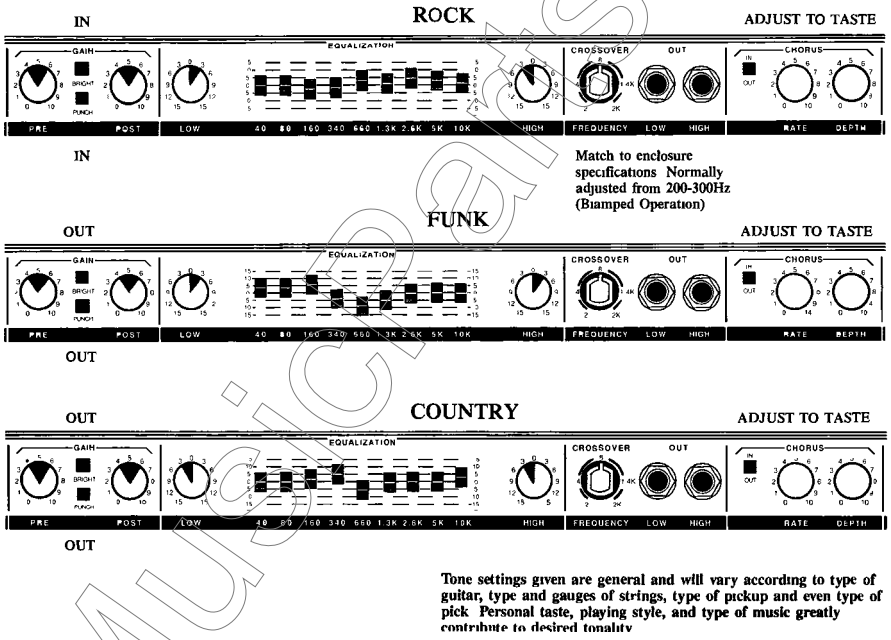
LINE CORD (120V PRODUCTS ONLY) (21)
For your safety, we have incorporated a 3-wire line (mains) cable with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the equipment without proper grounding facilities, suitable grounding adaptors should be used. Less noise and greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles.

GROUND SWITCH (22)
Three position rocker-type switch which, in most applications, should be operated in its center or zero position. There may be some situations when audible hum and/or noise will come from the loudspeaker. If this situation arises, position the ground switch to either positive or negative (+ or -) or until the noise is minimized.

NOTE: Should the noise problem continue, consult your Authorized Peavey Dealer, the Peavey Factory, or a qualified service technician. THE GROUND SWITCH IS NOT FUNCTIONAL ON 220/240 VOLT MODELS.

CHORUS REMOTE SWITCH JACK (23)
Provided for the connection of the optional remote footswitch. The footswitch is used to activate/defeat the chorus circuit.

TONE SETTING



SPECIFICATIONS

POWER AMPLIFIER SECTION

Rated Power & Load:
150 W RMS into 4 ohms with DDT™ compression

Power @ Clipping: (Typically)
(1 kHz, 120 VAC line)
155 W RMS into 4 ohms @ 1% THD
165 W RMS into 4 ohms @ 5% THD

Frequency Response:
+0, -2 dB, 20 Hz to 30 kHz @ 140 W RMS into 4 ohms

Total Harmonic Distortion:
Less than 0.2%, 100 mW to 140 RMS, 20 Hz to 10 kHz, 4 ohms, typically below 0.1%

DDT™ Dynamic Range:
Greater than 20 dB

DDT™ Maximum THD:
Below 0.6% THD for 6 dB overload
Below 1% THD for 16 dB overload

Hum & Noise:
Greater than 90 dB below rated power

Power Consumption: (Domestic)
400 watts @ 120 V AC, 50/60 Hz

PREAMP SECTION

The following specs are measured @ 1 kHz with the Low, High & Graphic EQ @ 0 dB: Push Bright, Push Punch & Push Chorus Out (off); and Post Gain @ 10 Nominal levels are with Pre Gain @ 5, minimum levels are with Pre Gain @ 10.

Preamp High Gain Input:
Impedance: High Z, 220K ohms
Nominal Input Level: -20 dBV, 100 mV RMS
Minimum Input Level: -40 dBV, 10 mV RMS
Maximum Input Level: +10 dBV, 3 V RMS

Preamp Low Gain Input:
Impedance: High Z, 44K ohms
Nominal Input Level: -14 dBV, 200 mV RMS
Minimum Input Level: -34 dBV, 20 mV RMS
Maximum Input Level: +16 dBV, 6 V RMS

Crossover High/Chorus Output: (High Pass Output)
Load Impedance: 1 K ohms or greater
Nominal Output Level: 0 dBV, 1.0 V RMS
(at the DDT limit of 150 W RMS output)
Maximum Output Level: +18 dBV, 8 V RMS

Crossover Low Output: (Low Pass Signal)
Load Impedance: 1 K ohms or greater
Nominal Output Level: 0 dBV, 1.0 V RMS
(at the DDT limit of 150 W RMS output)
Maximum Output Level: +18 dBV, 8 V RMS

Power Amp Input:
Impedance: High Z, 22K ohms
Designed Input Level: 0 dBV, 1 V RMS
(Switching jack providing preamp output to power amp input connections when not used)

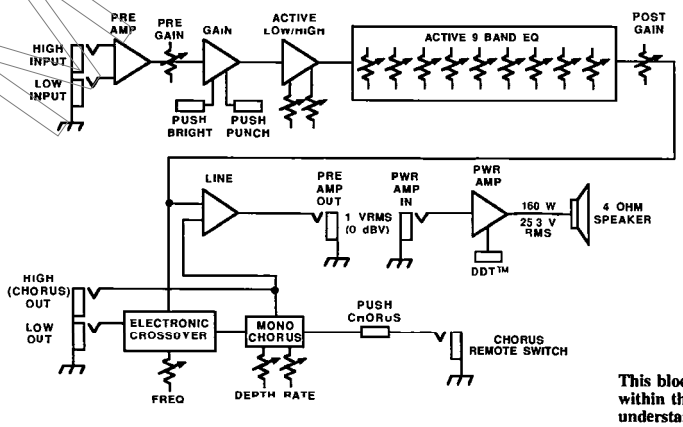
System Hum & Noise @ Nominal Input Level
(20 Hz to 20 kHz unweighted)
85 dB below rated power

Equalization:
Low & High: ±15 dB @ 80 Hz & 8 kHz, shelving
9 Band Graphic: ±15 dB @ 40, 80, 160, 340, 660, 1.3K, 2.6K, 5K, 10K Peak/Notch
Push Bright: +8 dB @ 2 kHz
Push Punch: Special EQ

Variable Crossover
Frequency range: 200 Hz to 2 kHz
Slope: 12 dB/Octave

Chorus
Controls: Depth and rate with Push Switch
Source: Crossover High Pass Output Signal
Re-Mix: With Full Range Output & High Pass Output
Footswitch: External single button

BLOCK DIAGRAM



This block diagram shows signal flow within the unit. In order to thoroughly understand the unit's functions, please study the diagram carefully.

THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY

Ces clauses de garantie ne sont vaiables qu'aux Etats-Unis et au Canada. Dans tour les autres pays, les clauses de garantie et de maintenance sont fixees par le distributeur national et assuree par lui seion la legislation envigueur.

Diese Garantie ist nur in den USA and Kanada gultig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen.

Esta garantia es valida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, estan sujetos a las garantias y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes paises

PEAVEY ONE-YEAR LIMITED WARRANTY/REMEDY

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth

PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth

CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES

These limited warranties shall be void and of no effect, if

a The first purchase of the product is for the purpose of resale, or
b The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER, or
c The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship, or
d The serial number affixed to the product is altered, defaced, or removed

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will

a In the case of tubes or meters, replace the defective component without charge
b In other covered cases (i e , cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option,

and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser

THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE

In order to obtain service under these warranties, you must

a Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product
If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service

OR

b Ship the defective item, prepaid, to

PEAVEY ELECTRONICS CORPORATION
International Service Center
Highway 80 East
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address Upon Peavey's receipt of these items
If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of $500 00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action Such purchase price will be that in effect for the specific product when the cause of action arose This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsbility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment

UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE, PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America

INSTRUCTIONS — WARRANTY REGISTRATION CARD

1 Mail the completed WARRANTY REGISTRATION CARD to

PEAVEY ELECTRONICS CORPORATION
POST OFFICE BOX 2898
MERIDIAN, MISSISSIPPI 39302-2898

a Keep the PROOF OF PURCHASE In the event warranty service is required during the warranty period, you will need this document **There will be no identification card issued by Peavey Electronics Corporation.**

2 IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES

a Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified
b Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction

3 You may contact Peavey directly by telephoning (601) 483-5365

IMPORTANT SAFETY INSTRUCTIONS

WARNING When using electric products, basic cautions should always be followed, including the following.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding, write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag, or an ammonia-based household cleaner if necessary Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if
    a. The power supply cord or plug has been damaged
    b. Anything has fallen or been spilled into the unit.
    c. The unit does not operate correctly
    d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. Exposure to extremely high noise levels may cause a permanent hearing loss Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time.

    The U S Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss

Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits as set forth above To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

SAVE THESE INSTRUCTIONS

Features and specifications subject to change without notice

Peavey Electronics Corporation 711 A Street / Meridian, MS 39302-2898 / U S A / (601) 483-5365 / Telex 504115 / Fax 484-4278

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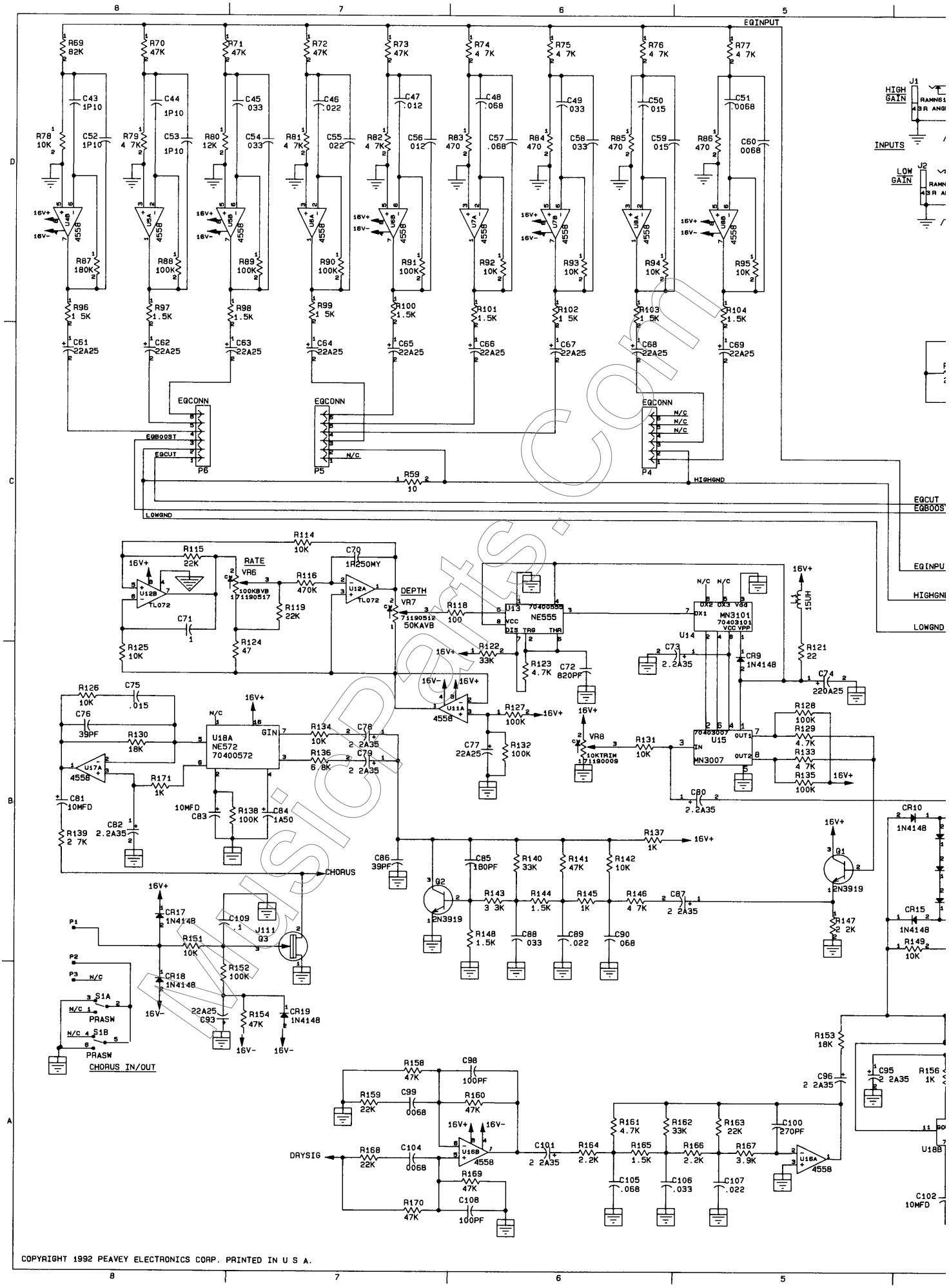

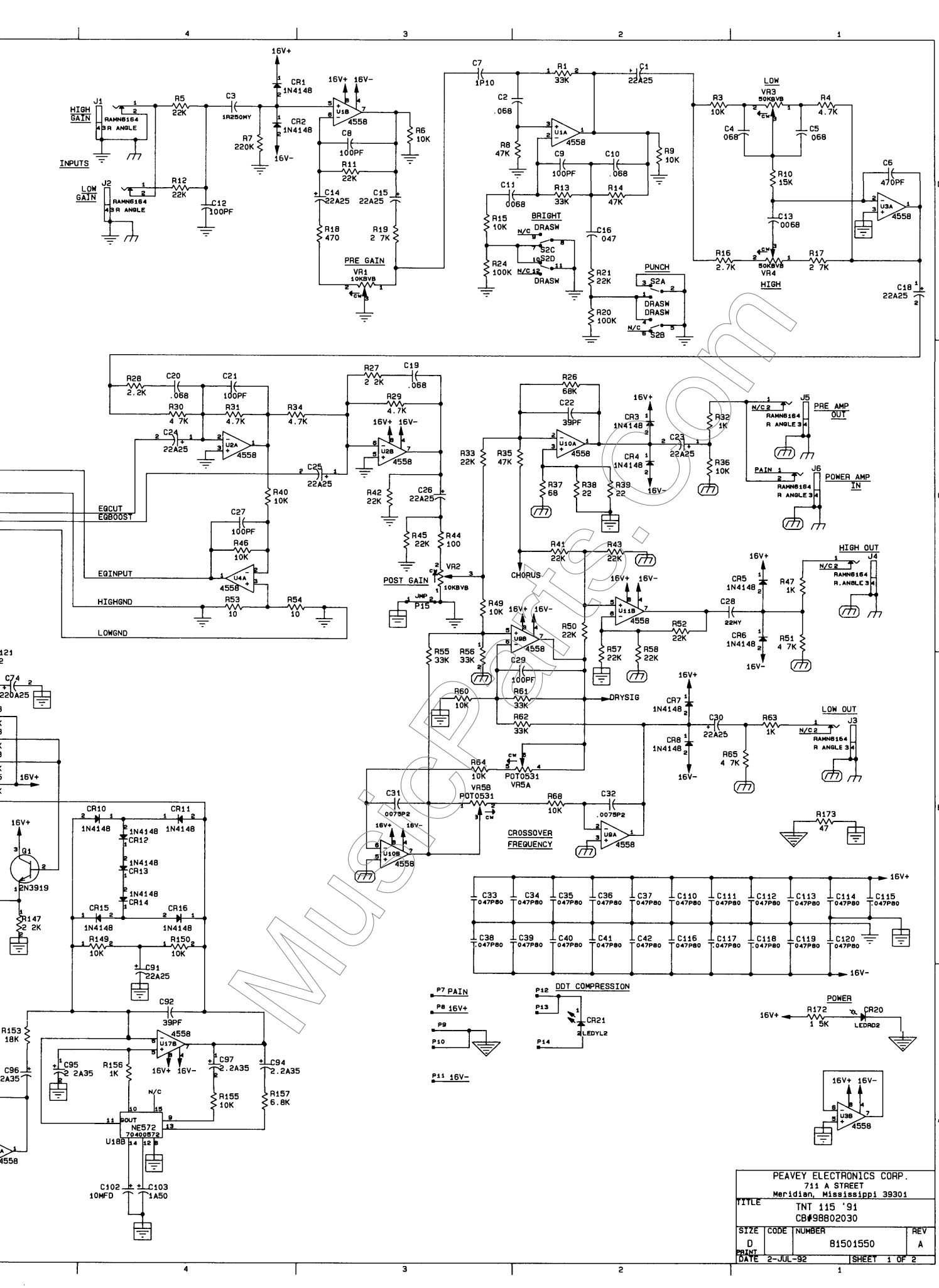

PEAVEY ELECTRONICS CORP.
711 A STREET
Meridian, Mississippi 39301

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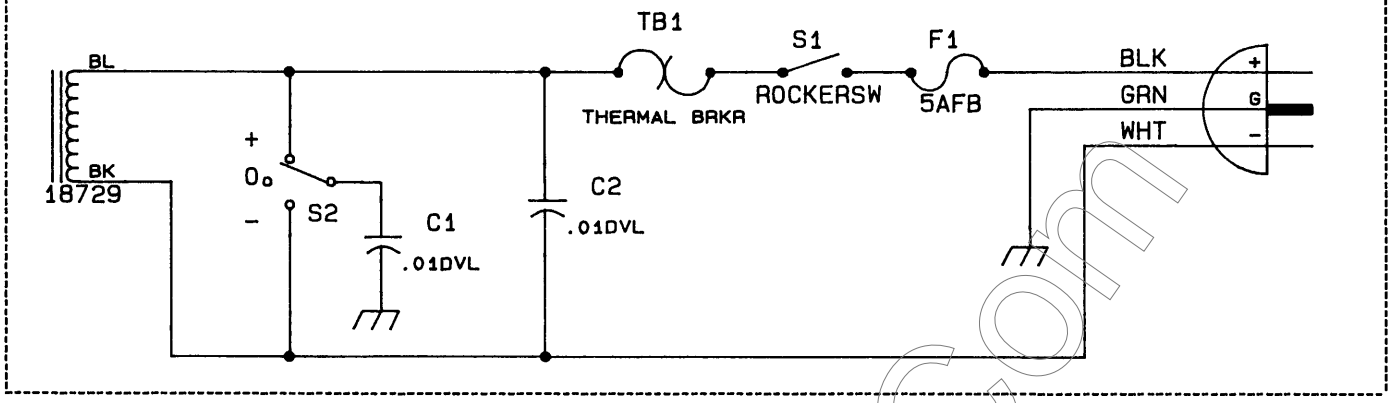
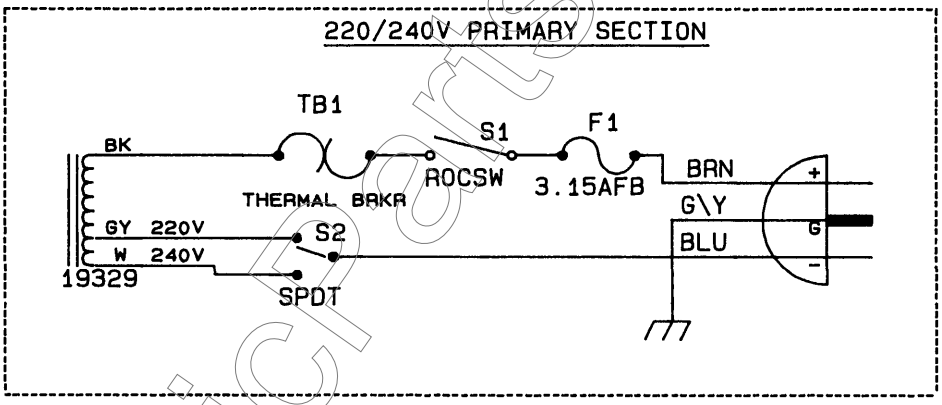
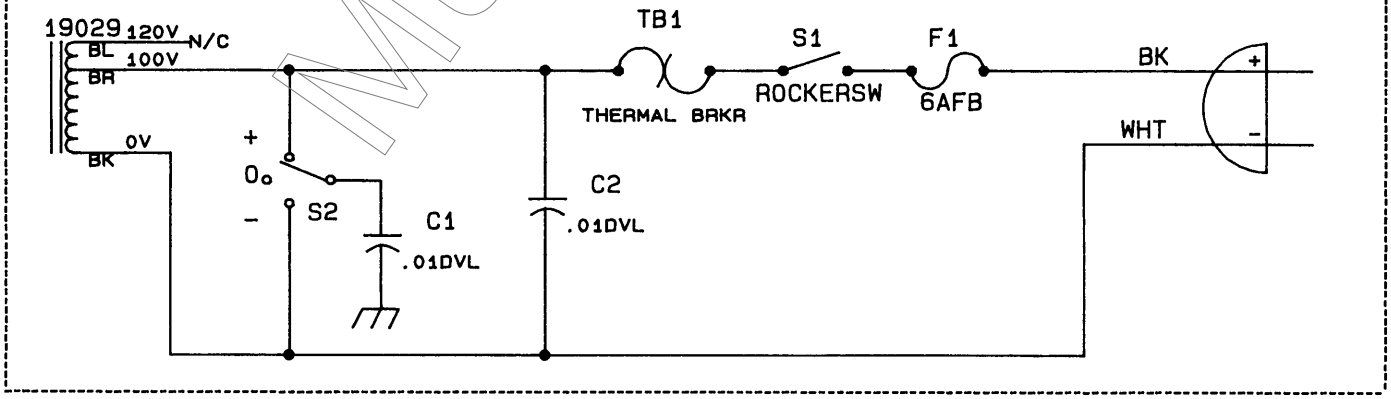
DOMESTIC PRIMARY SECTION

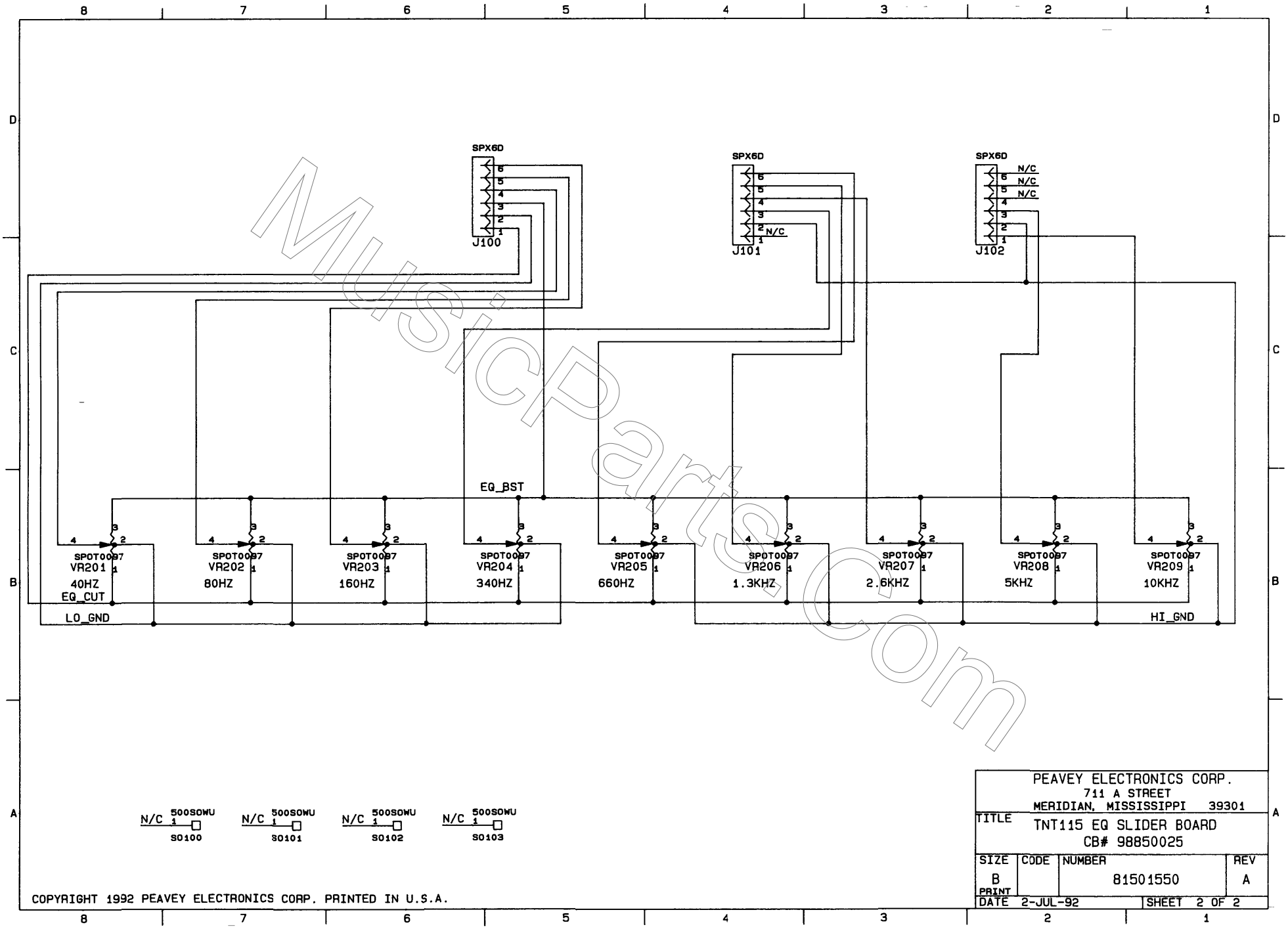


220/240V PRIMARY SECTION



100V PRIMARY SECTION





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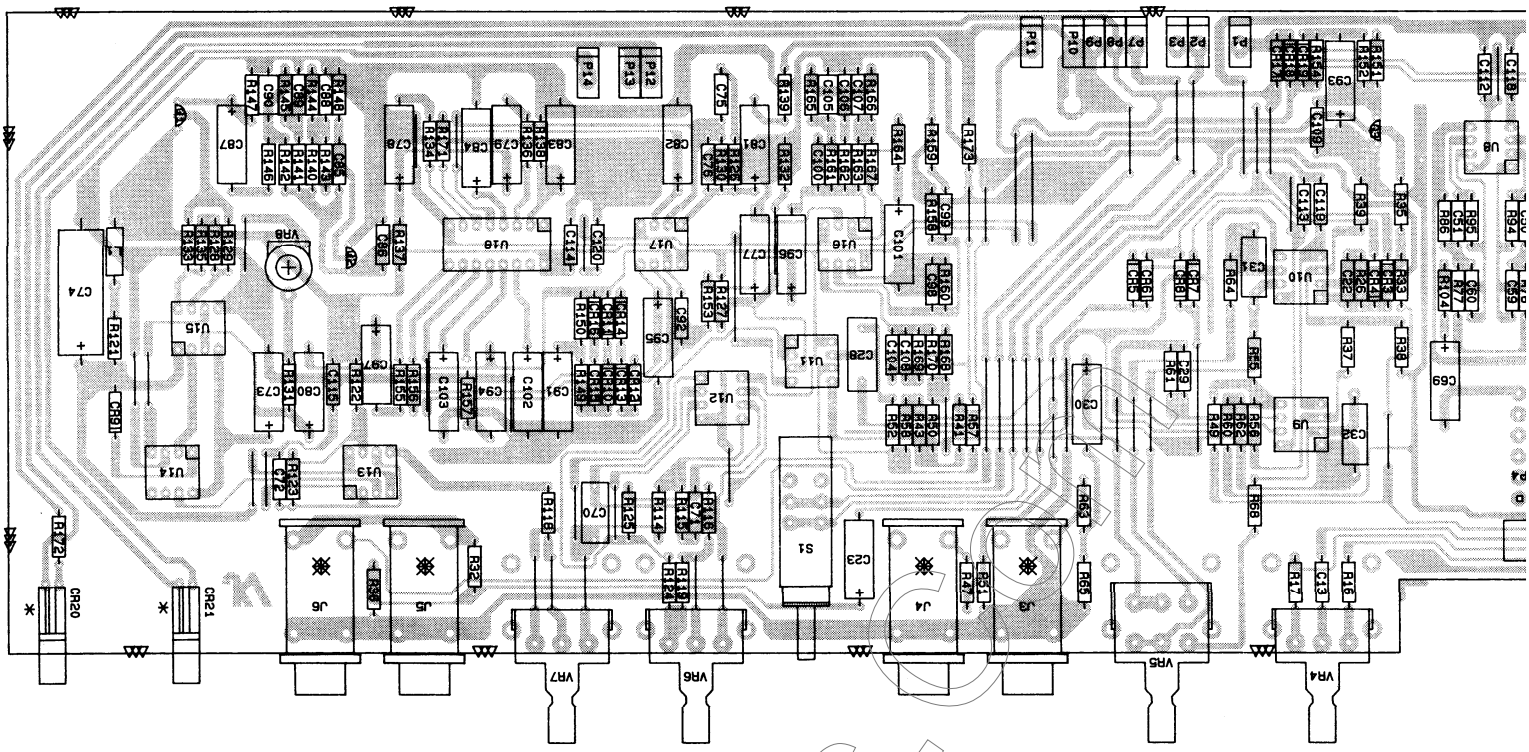
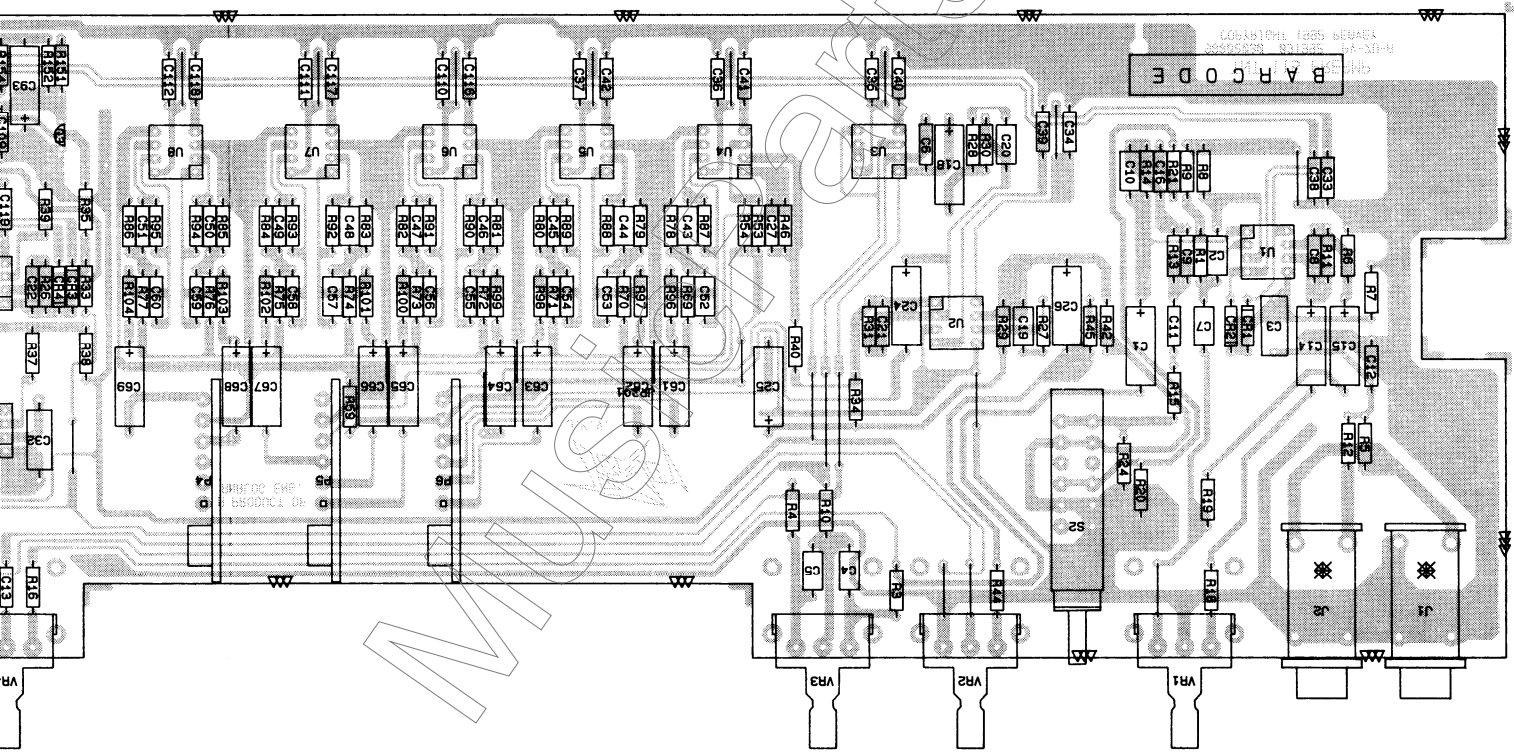
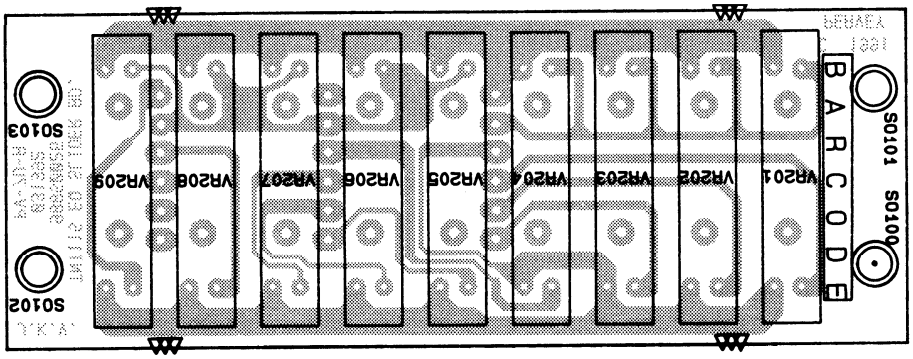




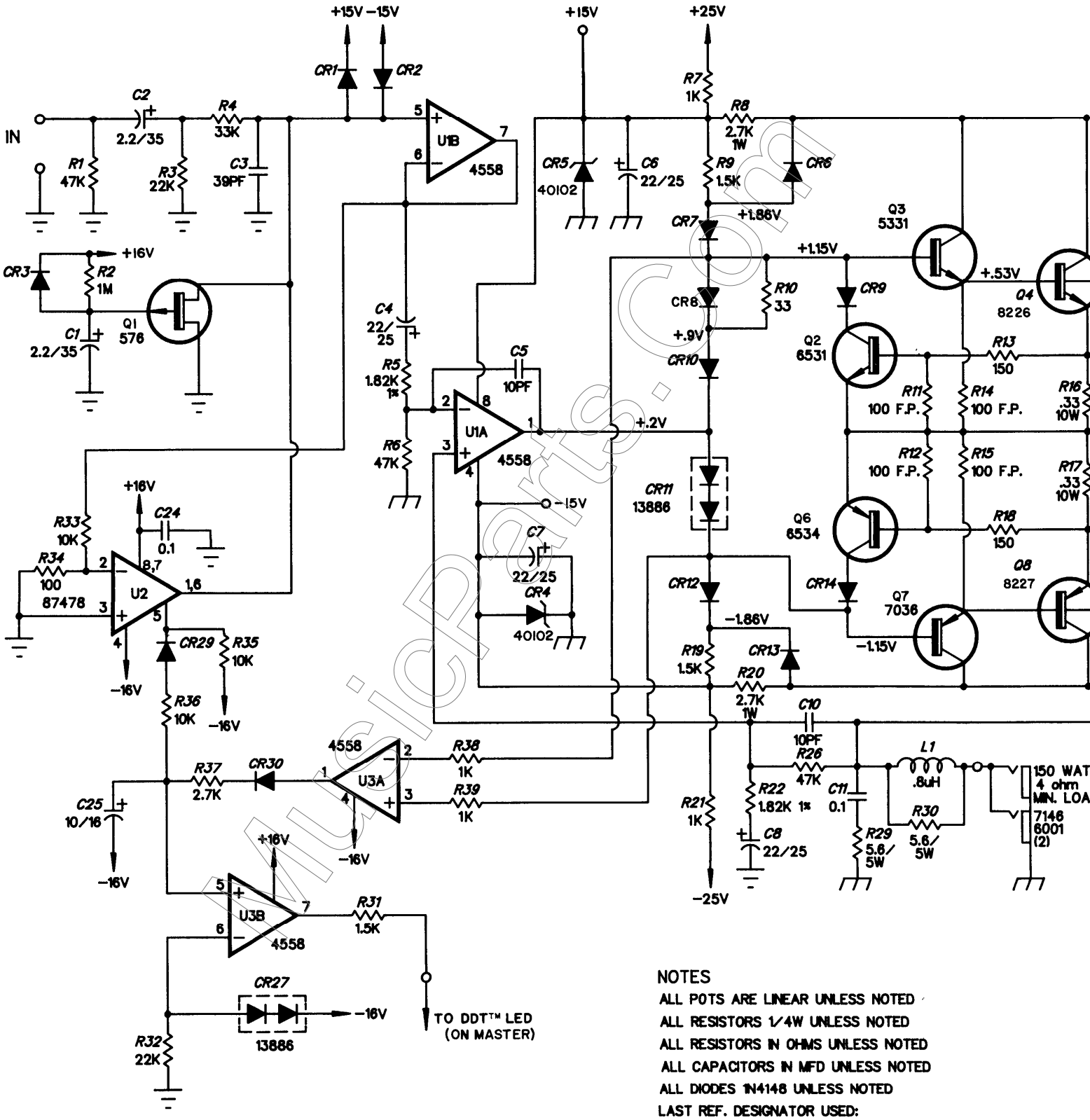


TNT 115

NAME	VALUE	NUMBER	DESCRIPTION
C1	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C10	068	70340018	.068 MFD 10% 50V MON T&R
C100	270PF	70340057	270PF 10% 50V TUB CER T&R
C101	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C102	10MFD	70320198	10 MFD LOW LEAKAGE C * T&R
C103	1A50	70320199	1 MFD LOW LEAKAGE CAP T&R
C104	0068	70340008	0068 MFD 10% 50V MON T&R
C105	068	70340018	068 MFD 10% 50V MON T&R
C106	033	70340014	033 MFD 10% 50V MON T&R
C107	022	70340012	022 MFD 10% 50V MON T&R
C108	100PF	70340054	100PF 10% 50V TUB CER T&R
C109	1	70340100	1 MFD +80-20LV AX LP T&R
C11	0068	70340008	0068 MFD 10% 50V MON T&R
C110	047P80	70340016	047MFD+80-20 50V MON T&R
C111	047P80	70340016	047MFD+80-20 50V MON T&R
C112	047P80	70340016	047MFD+80-20 50V MON T&R
C113	047P80	70340016	047MFD+80-20 50V MON T&R
C114	047P80	70340016	047MFD+80-20 50V MON T&R
C115	047P80	70340016	047MFD+80-20 50V MON T&R
C116	047P80	70340016	047MFD+80-20 50V MON T&R
C117	047P80	70340016	047MFD+80-20 50V MON T&R
C118	047P80	70340016	047MFD+80-20 50V MON T&R
C119	047P80	70340016	047MFD+80-20 50V MON T&R
C12	100PF	70340054	100PF 10% 50V TUB CER T&R
C120	047P80	70340016	047MFD+80-20 50V MON T&R
C13	0068	70340008	0068 MFD 10% 50V MON T&R
C14	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C15	22A25	70320012	22 MFD 25VDC LYT. CAP T&R
C16	047	70340017	047 MFD 10% 50V MON T&R
C18	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C19	068	70340018	068 MFD 10% 50V MON T&R
C2	068	70340018	068 MFD 10% 50V MON T&R
C20	068	70340018	068 MFD 10% 50V MON T&R
C21	100PF	70340054	100PF 10% 50V TUB CER T&R
C22	39PF	70340052	39PF 50V TUB CER T&R
C23	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C24	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C25	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C26	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C27	100PF	70340054	100PF 10% 50V TUB CER T&R
C28	.22MY	70330007	22 MFD 100VDC 5% MYLAR
C29	100PF	70340054	100PF 10% 50V TUB CER T&R
C3	1R250MY	70320096	.1 MFD 250 VDC MYLAR CA/BR
C30	22A25	70320012	22 MFD 25VDC LYT. CAP T&R
C31	0075P2	70340091	0075 MFD 2% 50VDC POLY
C32	0075P2	70340091	0075 MFD 2% 50VDC POLY
C33	047P80	70340016	047MFD+80-20 50V MON T&R
C34	047P80	70340016	047MFD+80-20 50V MON T&R
C35	047P80	70340016	047MFD+80-20 50V MON T&R
C36	047P80	70340016	047MFD+80-20 50V MON T&R
C37	047P80	70340016	047MFD+80-20 50V MON T&R
C38	047P80	70340016	047MFD+80-20 50V MON T&R
C39	047P80	70340016	047MFD+80-20 50V MON T&R
C4	068	70340018	068 MFD 10% 50V MON T&R
C40	047P80	70340016	047MFD+80-20 50V MON T&R
C41	047P80	70340016	047MFD+80-20 50V MON T&R
C42	047P80	70340016	047MFD+80-20 50V MON T&R
C43	1P10	70340101	1 MFD 50 VDC 10% MON T&R
C44	1P10	70340101	1 MFD 50 VDC 10% MON T&R
C45	033	70340014	033 MFD 10% 50V MON T&R
C46	022	70340012	022 MFD 10% 50V MON T&R
C47	012	70340009	012 MFD 10 % 50V T/C T&R
C48	068	70340018	068 MFD 10% 50V MON T&R
C49	033	70340014	033 MFD 10% 50V MON T&R
C5	068	70340018	068 MFD 10% 50V MON T&R
C50	015	70340010	015 MFD 10% 50V T/C T&R
C51	0068	70340008	0068 MFD 10% 50V MON T&R
C52	1P10	70340101	1 MFD 50 VDC 10% MON T&R
C53	1P10	70340101	1 MFD 50 VDC 10% MON T&R
C54	033	70340014	033 MFD 10% 50V MON T&R
C55	022	70340012	022 MFD 10% 50V MON T&R
C56	012	70340009	012 MFD 10 % 50V T/C T&R
C57	068	70340018	068 MFD 10% 50V MON T&R
C58	033	70340014	033 MFD 10% 50V MON T&R
C59	015	70340010	015 MFD 10% 50V T/C T&R
C6	470PF	70340058	470PF 10% 50V TUB CER T&R
C60	0068	70340008	0068 MFD 10% 50V MON T&R
C61	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C62	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C63	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C64	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C65	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C66	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C67	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C68	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C69	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C7	1P10	70340101	1 MFD 50 VDC 10% MON T&R
C70	1R250MY	70320096	1 MFD 250 VDC MYLAR CA/BR
C71	1	70340100	1 MFD +80-20LV AX LP T&R
C72	820PF	70340062	820PF 10% 50V TUB CER T&R
C73	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C74	220A25	70320102	220 MFD 25 VDC LYTIC
C75	015	70340010	015 MFD 10% 50V T/C T&R
C76	39PF	70340052	39PF 50V TUB CER T&R
C77	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C78	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C79	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C8	100PF	70340054	100PF 10% 50V TUB CER T&R
C80	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C81	10MFD	70320198	10 MFD LOW LEAKAGE C * T&R
C82	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C83	10MFD	70320198	10 MFD LOW LEAKAGE C * T&R
C84	1A50	70320199	1 MFD LOW LEAKAGE CAP T&R
C85	180PF	70340056	180PF 10% 50V TUB CER T&R
C86	39PF	70340052	39PF 50V TUB CER T&R
C87	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C88	033	70340014	033 MFD 10% 50V MON T&R
C89	022	70340012	022 MFD 10% 50V MON T&R
C9	100PF	70340054	100PF 10% 50V TUB CER T&R
C90	068	70340018	068 MFD 10% 50V MON T&R
C91	22A25	70320012	22 MFD 25VDC LYT CAP T&R
C92	39PF	70340052	39PF 50V TUB CER T&R
C93	22A25	70320012	22 MFD 25VDC LYT. CAP. T&R
C94	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C95	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C96	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C97	2 2A35	70320200	2 2MFD 35VDC LY CAP T&R
C98	100PF	70340054	100PF 10% 50V TUB CER T&R
C99	0068	70340008	0068 MFD 10% 50V MON T&R
CR1	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR10	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR11	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR12	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR13	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR14	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR15	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR16	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR17	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR18	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR19	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR2	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR20	LEDRD2	70450577	SE-8711-D-RD-25MM LDS REC
CR21	LEDYL2	70450579	SE-8731-D-YEL-25MM LDS REC
CR3	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR4	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR5	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR6	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR7	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR8	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
CR9	1N4148	70464148	1N4148 75V 10MA SILICON DIODE
J1	RAMN6164	71466164	JK R/A 12 5MM NIN MONO-88
J2	RAMN6164	71466164	JK R/A 12 5MM NIN MONO-88
J3	RAMN6164	71466164	JK R/A 12 5MM NIN MONO-88
J4	RAMN6164	71466164	JK R/A 12 5MM NIN MONO-88
J5	RAMN6164	71466164	JK R/A 12 5MM NIN MONO-88
J6	RAMN6164	71466164	JK R/A 12 5MM NIN MONO-88
L1	15UH	70519913	15 MICRO H 20% INDUCT T&R
Q1	2N3919	70403919	SKA-3919 TO92 NPN TRANS
Q2	2N3919	70403919	SKA-3919 TO92 NPN TRANS
Q3	J111	70400111	J-111 35V TO-92 N-FET LOW
R1	33K	70240030	33K—1/4W—5%——CF—T&R
R10	15K	70240027	15K—1/4W—5%——CF—T&R
R100	1 5K	70240018	1500—1/4W—5%——CF—T&R
R101	1 5K	70240018	1500—1/4W—5%——CF—T&R
R102	1 5K	70240018	1500—1/4W—5%——CF—T&R
R103	1 5K	70240018	1500—1/4W—5%——CF—T&R
R104	1 5K	70240018	1500—1/4W—5%——CF—T&R
R11	22K	70240029	22K—1/4W—5%——CF—T&R
R114	10K	70240025	10K—1/4W—5%——CF—T&R
R115	22K	70240029	22K—1/4W—5%——CF—T&R
R116	470K	70240038	470K—1/4W—5%——CF—T&R
R118	100	70240010	100—1/4W—5%——CF—T&R
R119	22K	70240029	22K—1/4W—5%——CF—T&R
R12	22K	70240029	22K—1/4W—5%——CF—T&R
R121	22	70240007	22——1/4W—5%——CF—T&R
R122	33K	70240030	33K—1/4W—5%——CF—T&R
R123	4 7K	70240023	4700—1/4W—5%——CF—T&R
R124	47	70240008	47——1/4W—5%——CF—T&R

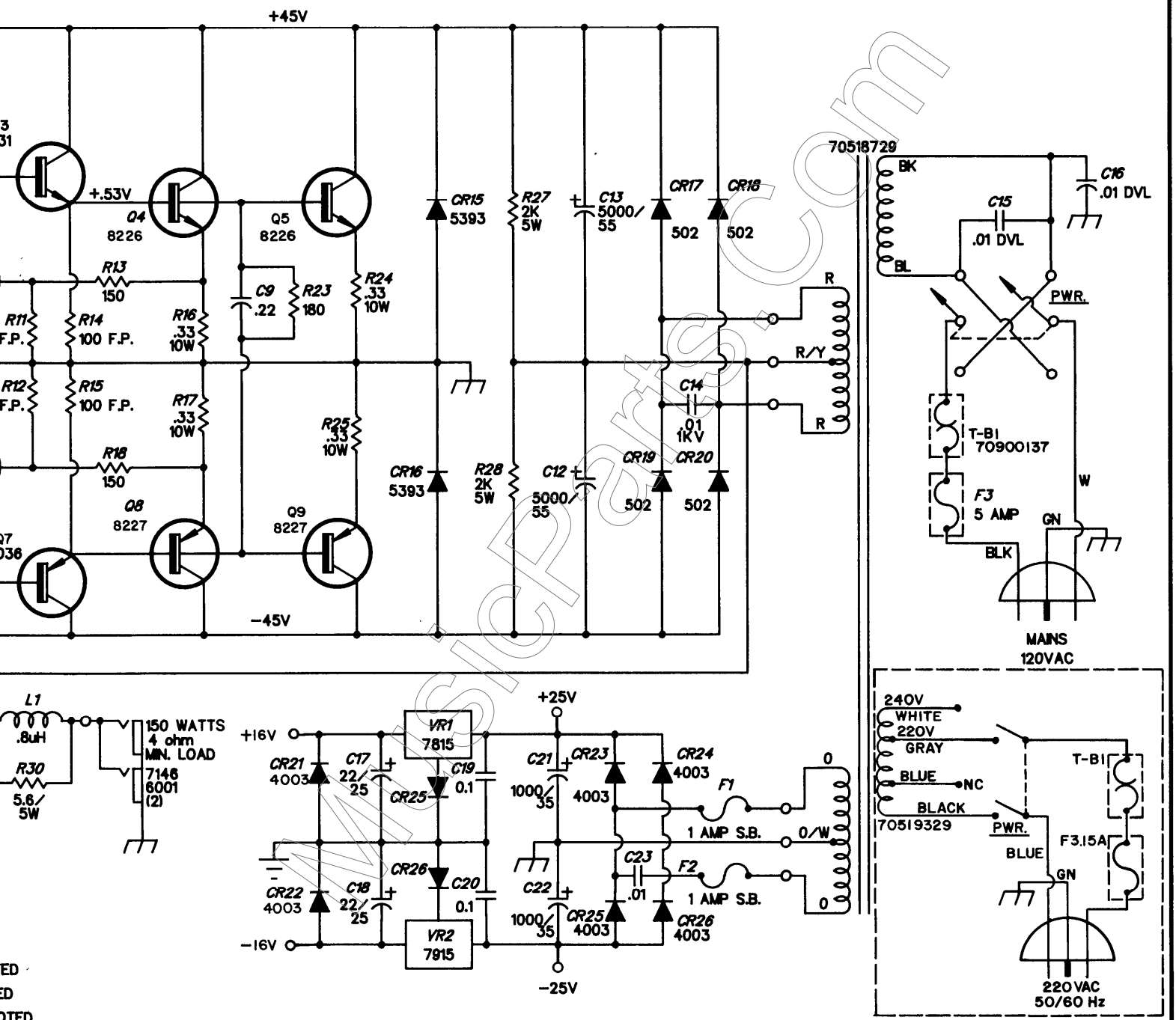
TNT 115

R125	10K	70240025 10K—1/4W—5%——CF—T&R
R126	10K	70240025 10K—1/4W—5%——CF—T&R
R127	100K	70240034 100K—1/4W—5%——CF—T&R
R128	100K	70240034 100K—1/4W—5%——CF—T&R
R129	4 7K	70240023 4700—1/4W—5%——CF—T&R
R13	33K	70240030 33K—1/4W—5%——CF—T&R
R130	18K	70240028 18K—1/4W—5%——CF—T&R
R131	10K	70240025 10K—1/4W—5%——CF—T&R
R132	100K	70240034 100K—1/4W—5%——CF—T&R
R133	4 7K	70240023 4700—1/4W—5%——CF—T&R
R134	10K	70240025 10K—1/4W—5%——CF—T&R
R135	100K	70240034 100K—1/4W—5%——CF—T&R
R136	6 8K	70240024 6800—1/4W—5%——CF—T&R
R137	1K	70240017 1K——1/4W—5%——CF—T&R
R138	100K	70240034 100K—1/4W—5%——CF—T&R
R139	2 7K	70240021 2700—1/4W—5%——CF—T&R
R14	47K	70240031 47K—1/4W—5%——CF—T&R
R140	33K	70240030 33K—1/4W—5%——CF—T&R
R141	47K	70240031 47K—1/4W—5%——CF—T&R
R142	10K	70240025 10K—1/4W—5%——CF—T&R
R143	3 3K	70240022 3300—1/4W—5%——CF—T&R
R144	1 5K	70240018 1500—1/4W—5%——CF—T&R
R145	1K	70240017 1K——1/4W—5%——CF—T&R
R146	4 7K	70240023 4700—1/4W—5%——CF—T&R
R147	2 2K	70240020 2200—1/4W—5%——CF—T&R
R148	1 5K	70240018 1500—1/4W—5%——CF—T&R
R149	10K	70240025 10K—1/4W—5%——CF—T&R
R15	10K	70240025 10K—1/4W—5%——CF—T&R
R150	10K	70240025 10K—1/4W—5%——CF—T&R
R151	10K	70240025 10K—1/4W—5%——CF—T&R
R152	100K	70240034 100K—1/4W—5%——CF—T&R
R153	18K	70240028 18K—1/4W—5%——CF—T&R
R154	47K	70240031 47K—1/4W—5%——CF—T&R
R155	10K	70240025 10K—1/4W—5%——CF—T&R
R156	1K	70240017 1K——1/4W—5%——CF—T&R
R157	6 8K	70240024 6800—1/4W—5%——CF—T&R
R158	47K	70240031 47K—1/4W—5%——CF—T&R
R159	22K	70240029 22K—1/4W—5%——CF—T&R
R16	2 7K	70240021 2700—1/4W—5%——CF—T&R
R160	47K	70240031 47K—1/4W—5%——CF—T&R
R161	4 7K	70240023 4700—1/4W—5%——CF—T&R
R162	33K	70240030 33K—1/4W—5%——CF—T&R
R163	22K	70240029 22K—1/4W—5%——CF—T&R
R164	2 2K	70240020 2200—1/4W—5%——CF—T&R
R165	1 5K	70240018 1500—1/4W—5%——CF—T&R
R166	2.2K	70240020 2200—1/4W—5%——CF—T&R
R167	3.9K	70241093 3 9K—1/4W—5%——CF—AXL
R168	22K	70240029 22K—1/4W—5%——CF—T&R
R169	47K	70240031 47K—1/4W—5%——CF—T&R
R17	2 7K	70240021 2700—1/4W—5%——CF—T&R
R170	47K	70240031 47K—1/4W—5%——CF—T&R
R171	1K	70240017 1K——1/4W—5%——CF—T&R
R172	1 5K	70240018 1500—1/4W—5%——CF—T&R
R173	47	70240008 47——1/4W—5%——CF—T&R
R18	470	70240015 470—1/4W—5%——CF—T&R
R19	2 7K	70240021 2700—1/4W—5%——CF—T&R
R20	100K	70240034 100K—1/4W—5%——CF—T&R
R21	22K	70240029 22K—1/4W—5%——CF—T&R
R24	100K	70240034 100K—1/4W—5%——CF—T&R
R26	68K	70240032 68K—1/4W—5%——CF—T&R
R27	2 2K	70240020 2200—1/4W—5%——CF—T&R
R28	2.2K	70240020 2200—1/4W—5%——CF—T&R
R29	4 7K	70240023 4700—1/4W—5%——CF—T&R
R3	10K	70240025 10K—1/4W—5%——CF—T&R
R30	4 7K	70240023 4700—1/4W—5%——CF—T&R
R31	4 7K	70240023 4700—1/4W—5%——CF—T&R
R32	1K	70240017 1K——1/4W—5%——CF—T&R
R33	22K	70240029 22K—1/4W—5%——CF—T&R
R34	4 7K	70240023 4700—1/4W—5%——CF—T&R
R35	47K	70240031 47K—1/4W—5%——CF—T&R
R36	10K	70240025 10K—1/4W—5%——CF—T&R
R37	68	70240009 68——1/4W—5%——CF—T&R
R38	22	70240007 22——1/4W—5%——CF—T&R
R39	22	70240007 22——1/4W—5%——CF—T&R
R4	4 7K	70240023 4700—1/4W—5%——CF—T&R
R40	10K	70240025 10K—1/4W—5%——CF—T&R
R41	22K	70240029 22K—1/4W—5%——CF—T&R
R42	22K	70240029 22K—1/4W—5%——CF—T&R
R43	22K	70240029 22K—1/4W—5%——CF—T&R
R44	100	70240010 100—1/4W—5%——CF—T&R
R45	22K	70240029 22K—1/4W—5%——CF—T&R
R46	10K	70240025 10K—1/4W—5%——CF—T&R
R47	1K	70240017 1K——1/4W—5%——CF—T&R
R49	10K	70240025 10K—1/4W—5%——CF—T&R
R5	22K	70240029 22K—1/4W—5%——CF—T&R
R50	22K	70240029 22K—1/4W—5%——CF—T&R
R51	4 7K	70240023 4700—1/4W—5%——CF—T&R
R52	22K	70240029 22K—1/4W—5%——CF—T&R
R53	10	70240003 10——1/4W—5%——CF—T&R
R54	10	70240003 10——1/4W—5%——CF—T&R
R55	33K	70240030 33K—1/4W—5%——CF—T&R
R56	33K	70240030 33K—1/4W—5%——CF—T&R
R57	22K	70240029 22K—1/4W—5%——CF—T&R
R58	22K	70240029 22K—1/4W—5%——CF—T&R
R59	10	70240003 10——1/4W—5%——CF—T&R
R6	10K	70240025 10K—1/4W—5%——CF—T&R
R60	10K	70240025 10K—1/4W—5%——CF—T&R
R61	33K	70240030 33K—1/4W—5%——CF—T&R
R62	33K	70240030 33K—1/4W—5%——CF—T&R
R63	1K	70240017 1K——1/4W—5%——CF—T&R
R64	10K	70240025 10K—1/4W—5%——CF—T&R
R65	4 7K	70240023 4700—1/4W—5%——CF—T&R
R68	10K	70240025 10K—1/4W—5%——CF—T&R
R69	82K	70240033 82K—1/4W—5%——CF—T&R
R7	220K	70240036 220K—1/4W—5%——CF—T&R
R70	47K	70240031 47K—1/4W—5%——CF—T&R
R71	47K	70240031 47K—1/4W—5%——CF—T&R
R72	47K	70240031 47K—1/4W—5%——CF—T&R
R73	47K	70240031 47K—1/4W—5%——CF—T&R
R74	4 7K	70240023 4700—1/4W—5%——CF—T&R
R75	4 7K	70240023 4700—1/4W—5%——CF—T&R
R76	4 7K	70240023 4700—1/4W—5%——CF—T&R
R77	4 7K	70240023 4700—1/4W—5%——CF—T&R
R78	10K	70240025 10K—1/4W—5%——CF—T&R
R79	4 7K	70240023 4700—1/4W—5%——CF—T&R
R8	47K	70240031 47K—1/4W—5%——CF—T&R
R80	12K	70240057 12K—1/4W—5%——CF—T&R
R81	4 7K	70240023 4700—1/4W—5%——CF—T&R
R82	4 7K	70240023 4700—1/4W—5%——CF—T&R
R83	470	70240015 470—1/4W—5%——CF—T&R
R84	470	70240015 470—1/4W—5%——CF—T&R
R85	470	70240015 470—1/4W—5%——CF—T&R
R86	470	70240015 470—1/4W—5%——CF—T&R
R87	180K	70240066 180K—1/4W—5%——CF—T&R
R88	100K	70240034 100K—1/4W—5%——CF—T&R
R89	100K	70240034 100K—1/4W—5%——CF—T&R
R9	10K	70240025 10K—1/4W—5%——CF—T&R
R90	100K	70240034 100K—1/4W—5%——CF—T&R
R91	100K	70240034 100K—1/4W—5%——CF—T&R
R92	10K	70240025 10K—1/4W—5%——CF—T&R
R93	10K	70240025 10K—1/4W—5%——CF—T&R
R94	10K	70240025 10K—1/4W—5%——CF—T&R
R95	10K	70240025 10K—1/4W—5%——CF—T&R
R96	1 5K	70240018 1500—1/4W—5%——CF—T&R
R97	1 5K	70240018 1500—1/4W—5%——CF—T&R
R98	1 5K	70240018 1500—1/4W—5%——CF—T&R
R99	1 5K	70240018 1500—1/4W—5%——CF—T&R
S1	PRASW	71322213 DPDT P/P CB MOUNT SWITCH
S2	DRASW	71322256 P C.MNT SWITCH DUAL
U1	4558	70404558 RC-4558,P DUAL BI-PKG 10
U10	4558	70404558 RC-4558,P DUAL BI-PKG 10
U11	4558	70404558 RC-4558,P DUAL BI-PKG 10
U12	TL072	70400072 TLO-72 DUAL BIFET JG PKG
U13	NE555	70420555 LM555CN TIMER
U14	MN3101	70403101 MN 3101 BBD CLCK GEN DRVR
U15	MN3007	70403007 MN3007 1024-ST LO-NSE BBD
U16	4558	70404558 RC-4558,P DUAL BI-PKG 10
U17	4558	70404558 RC-4558,P DUAL BI-PKG 10
U18	NE572	70420572 NE572N IC
U2	4558	70404558 RC-4558,P DUAL BI-PKG 10
U3	4558	70404558 RC-4558,P DUAL BI-PKG 10
U4	4558	70404558 RC-4558,P DUAL BI-PKG 10
U5	4558	70404558 RC-4558,P DUAL BI-PKG 10
U6	4558	70404558 RC-4558,P DUAL BI-PKG 10
U7	4558	70404558 RC-4558,P DUAL BI-PKG 10
U8	4558	70404558 RC-4558,P DUAL BI-PKG 10
U9	4558	70404558 RC-4558,P DUAL BI-PKG 10
VR1	10KBVB	71190510 10K LIN MIN VPC W/BRKT
VR2	10KBVB	71190510 10K LIN MIN VPC W/BRKT
VR3	50KBVB	71190511 50K LIN MIN VPC W/BRKT
VR4	50KBVB	71190511 50K LIN MIN VPC W/BRKT
VR5	POT0531	71190531 100KRA/100KRA MIN VPC /BR
VR6	100KBVB	71190517 100K LIN MIN VPC/BRKT
VR7	50KAVB	71190512 50K AUD MIN VPC W/BRKT
VR8	10KTRIM	71190009 10K LIN-HOR PC MNT TRIM POT



NOTES

ALL POTS ARE LINEAR UNLESS NOTED
ALL RESISTORS 1/4W UNLESS NOTED
ALL RESISTORS IN OHMS UNLESS NOTED
ALL CAPACITORS IN MFD UNLESS NOTED
ALL DIODES 1N4148 UNLESS NOTED
LAST REF. DESIGNATOR USED:
R32 CR26 C21 Q9 F3 L1
BUILT UNDER U.S. PATENT NO. 4,318,053



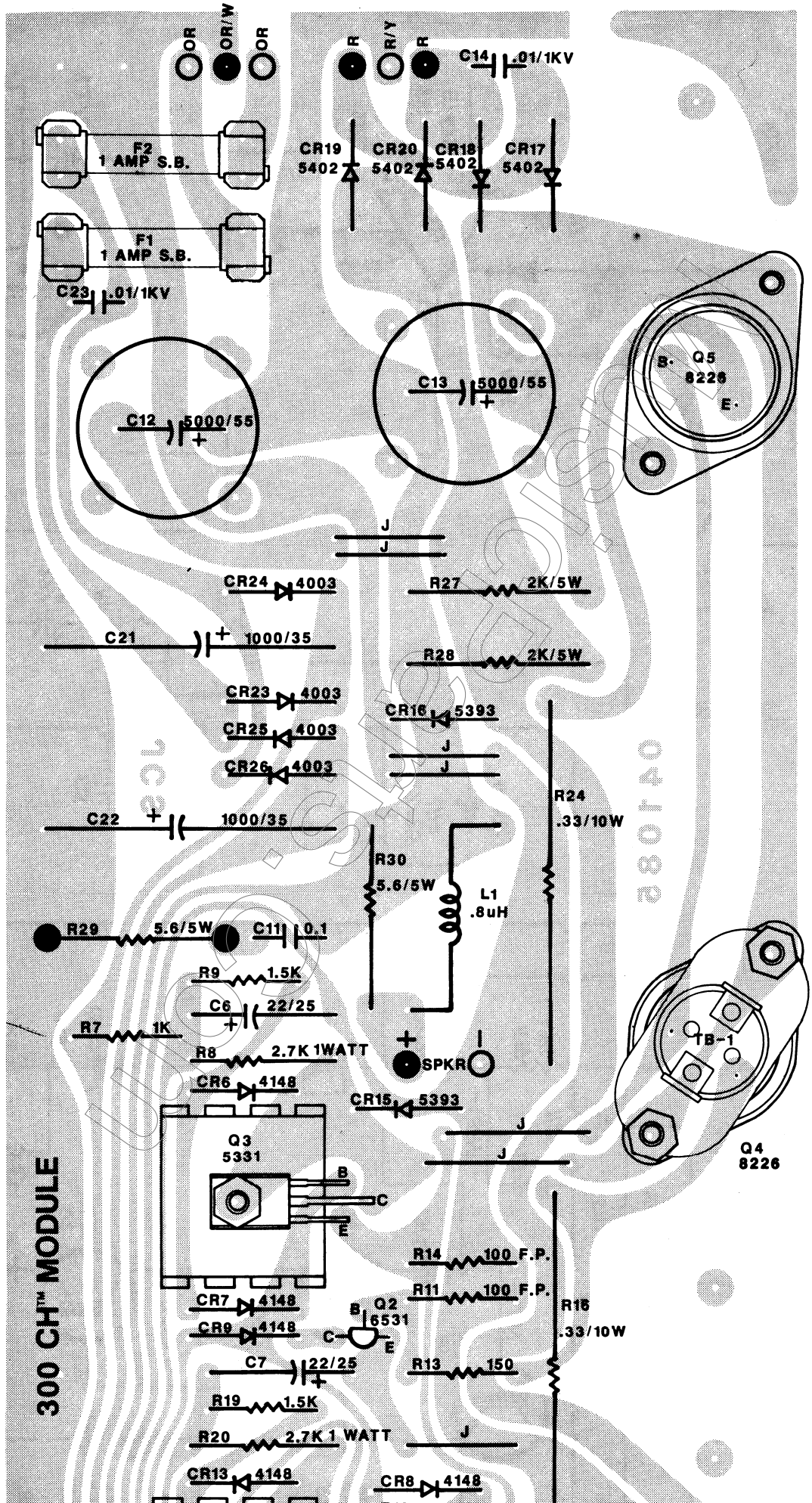
300 CH™ MODULE

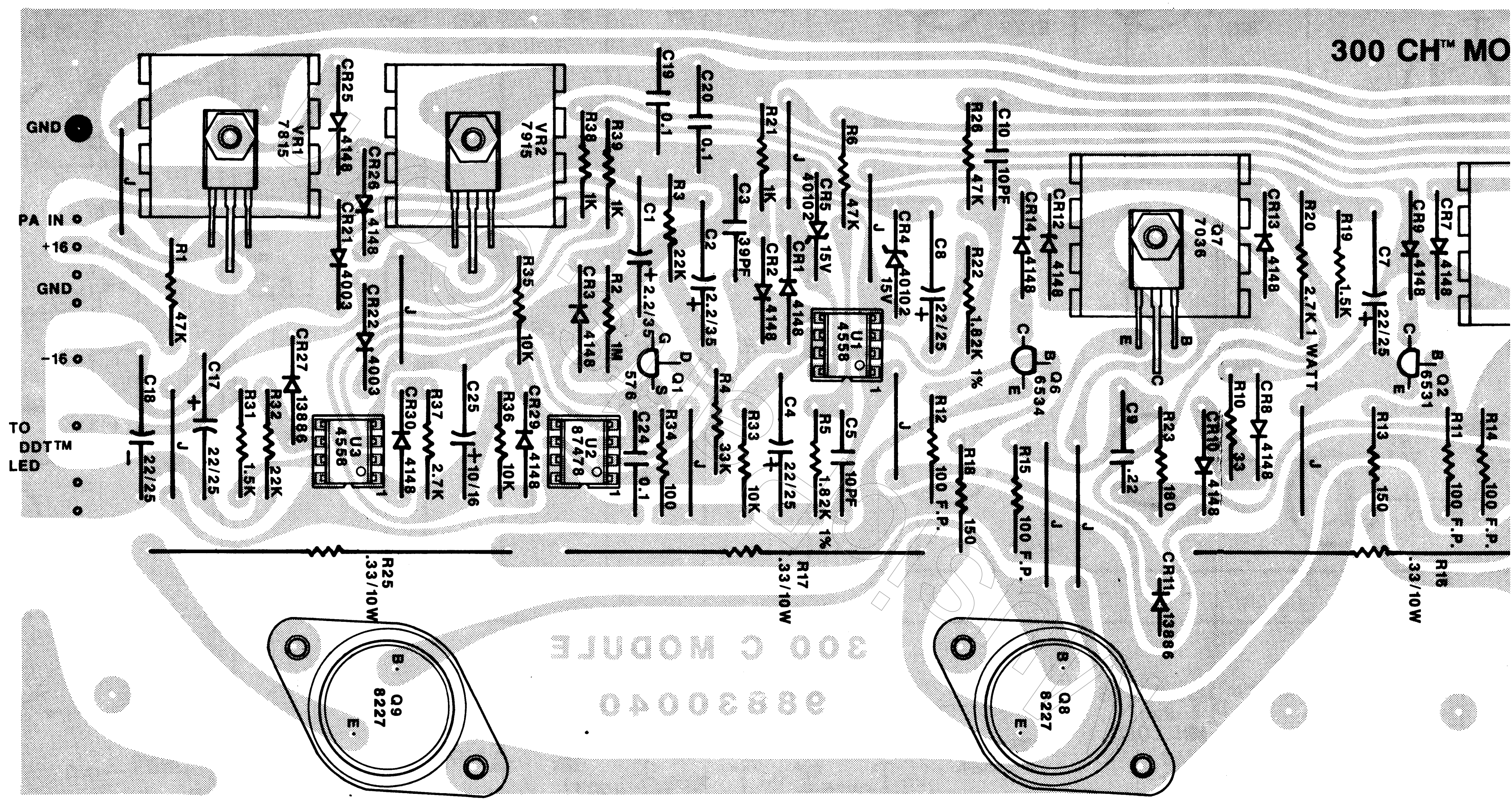
BD.# 98830040 (4/10/85)

PEAVEY® ELECTRONICS CORP. MERIDIAN, MS	
DRAWN BY	DATE 9/17/86
C.B. CK.	
CK. BY	
APPR. BY	

P/N 81505175

4,318,053


300 CH™ MODULE
OR
OR/W
OR
R
R/Y
R
C14 .01/1KV
F2 1 AMP S.B.
F1 1 AMP S.B.
C23 .01/1KV
CR19 5402
CR20 5402
CR18 5402
CR17 5402
C12 5000/55
C13 5000/55
Q5 8226
B
E
J
J
CR24 4003
R27 2K/5W
C21 1000/35
R28 2K/5W
CR23 4003
CR25 4003
CR26 4003
CR16 5393
J
J
C22 1000/35
R24 .33/10W
R30 5.6/5W
L1 .8uH
R29 5.6/5W
C11 0.1
R9 1.5K
C6 22/25
R7 1K
R8 2.7K 1WATT
SPKR
CR6 4148
CR15 5393
J
J
TB-1
Q4 8226
Q3 5331
B
C
E
R14 100 F.P.
R11 100 F.P.
R16 .33/10W
CR7 4148
CR9 4148
Q2 6531
B
C
E
C7 22/25
R13 150
R19 1.5K
R20 2.7K 1 WATT
J
CR13 4148
CR8 4148



300 CH™ MO
GND
PA IN
+16
GND
-16
TO DDT™ LED
VR1 7815
VR2 7915
Q7 7036
Q9 8227
Q8 8227
U1 4558
U2 87478
U3 4556
R25 .33/10W
R17 .33/10W
R16 .33/10W