

TRAYNOR YGL-3 MARK 3 AMPLIFIER

INTRODUCTION: The YGL-3 is a two-channel amplifier designed for use with guitar. It features wide range tone controls, tremolo, reverb, and a master volume control. It is available in either a single-piece model with self-contained twin 12" speakers, or as a modular amplifier head to be used with the appropriate speaker cabinet(s).

EXPLANATION OF CONTROLS: Front Panel

Note that 1 to 4 applies to both channels, reverb and tremolo are available on channel 2 only. Also, channel 1 has been designed with less overall gain than channel 2, for a full, clean, rhythm guitar sound.

1. **INPUTS:** Each channel has two input jacks with the lower of the two being highly sensitive for extra "drive".
2. **TREBLE BOOST:** Enhances the highs when in the upper position with the channel volume set at less than 10 - provides instant brightness for solos.
3. **VOLUME:** Varies individual channel volume from zero to maximum
4. **TREBLE MIDDLE, BASS:** Provide wide-range tonal variations. Please note that the widest range of bass and treble is available with the middle control set at zero. Also note that with all tone controls set at zero, there will be no output.
5. **REVERB:** Controls amount of reverberation from zero to maximum.
6. **TREMOLO:** Speed, intensity - varies the rate and depth of the tremolo effect. The tremolo is off with the intensity control at zero.
7. **MASTER GAIN:** Directly controls the power output of the amplifier. This allows the musician to set the channel volume to the desired level without operating the amplifier at full power. It may also be utilized to create natural distortion or "fuzz" which may be obtained by turning the channel volume up full while leaving the "MASTER GAIN" at a lower setting.

REAR PANEL

1. **ACCESSORY PLUG:** Allows connection of auxiliary equipment drawing no more than 200 watts.
2. **GROUND SWITCH:** Reverses polarity to minimize hum.
3. **EXTENSION SPEAKER JACK:** Any extension speaker connected here should be 4 ohm impedance and capable of withstanding at least 75 watts of power.
4. **FOOTSWITCH JACKS:** Connect shielded footswitches here for remote cancellation of tremolo and reverb. Note that the effects will operate without footswitches.

* *
GENERAL INSTRUCTIONS:

1. Plug power cord into any 110-120 volt, 60 cycle A.C. socket.
2. With front panel switch in Standby position, flip back panel A.C. switch "On".
3. Allow a brief warm-up period for the tubes, and turn all controls to "0".
4. Flip front panel switch to "Operate".

SPECIFIC CONTROL SETTINGS:

5. For maximum "clean" sound:
 - a) Plug instrument lead into upper input of desired channel.
 - b) Leaving all channel controls turned to "0", turn Master Gain up to "10".
 - c) Turn all tone controls up to "5".
 - d) Turn up channel Volume control to desired volume level.
 - e) Adjust tone and effects controls further as desired.
6. For maximum "distorted" sound:
 - a) Turn your instruments' volume up full and plug into lower input of 2nd channel.
 - b) With Master Gain, Reverb and Tremolo controls set at "0", turn channel volume and all tone controls up to "10" and flip up treble boost switch.
 - c) Bring up Master Gain for desired volume level and adjust Reverb and Tremolo if required.

Note: The amount of overdrive (distortion) will be decreased when you turn down your instrument volume and /or any of the YGL-3 channel controls.

TRAYNOR

Amplificateur YGL-3 Mark 3

Instructions Générales:

1. Branchez le câble de pouvoir dans une prise de courant atterrée de 110 Volts, 60 Hz. (220 Volts, 50 Hz. dans les modèles européens et au Royaume-Uni.)
2. Placez l'interrupteur sur le devant à la position "en attente" (STANDBY), et l'interrupteur de pouvoir à la position "ON". Si l'ampli ne s'allume pas, vérifiez si le câble est bien branché et si nécessaire, pressez le coupe-circuit. (Dans les amplis 220 Volts, remplacez toujours les fusibles avec un autre du même genre.)
3. Laissez l'interrupteur à la position "en attente" pendant environ une minute pour permettre aux lampes de se réchauffer.
4. Lorsque vous êtes prêts à jouer, branchez votre instrument et placez l'interrupteur à la position "opération" (RUN).
Il est à conseiller de placer l'interrupteur à la position "en attente" entre les spectacles et lorsque vous branchez les fils d'instruments.
5. Réglez l'interrupteur d'atterrage pour obtenir le minimum possible de bruit. Vous pouvez utiliser le réglage "Lift" pour éliminer le bruit qui advient lorsque plusieurs accessoires sont branchés ensemble.

EXPLICATION DES COMMANDES: Panneau avant.

A noter: Les items de 1 à 4 s'appliquent aux deux canaux. Les explications concernant la Réverbération, le Trémolo et la Commande de Volume Maitresse ne s'appliquent qu'au deuxième canal.

1. ENTREES: Les entrées de gain "Haut" ont une sensibilité exagérée pour fournir une surabondance de pouvoir au soliste. Les entrées de

gain "Normal" peuvent être préférables pour les instruments rythmiques.

2. SUREXITATION DES AIGUES (Treble Boost): Cet interrupteur exagère les aigues lorsqu'il est dans la position supérieure et que le Volume est à moins que 10.
3. VOLUME: Varie le gain du préampli de zéro au maximum.
4. AIGUES, INTERMEDIAIRES, GRAVES: Fournissent une gamme étendue de variations de tonalité.
5. REVERBERATION: Régie la quantité de Réverbération de zéro au maximum.
6. TREMOLO: Vitesse et Intensité - varie la vitesse et la profondeur de l'effet Trémolo. Le Trémolo est fermé lorsque la commande d'intensité est à zéro.
7. COMMANDE DE VOLUME MAITRESSE: Régie le niveau de sortie du préampli sur le deuxième canal et peut être utilisée pour régler le volume en considérant la grandeur de la pièce et le volume général de l'orchestre.

PANNEAU ARRIERE:

1. Prise de Courant Accessoire: Une prise de courant C.A. pour fournir du pouvoir à n'importe quel dispositif électrique qui ne prend pas plus que 200 Watts.
2. Coupe-Circuit: Remplace le fusible habituel pour protéger les circuits contre la surabondance de pouvoir C.A. Si une telle surabondance ouvre le coupe-circuit, l'ampli se fermera complètement. Vous n'avez qu'à presser la commande rouge de "Pre-Set" pour résumer l'opération.
- 2a. Fusible (dans les modèles 220 Volts): Devrait toujours être remplacé par un fusible du même genre.

3. Entrées pour interrupteurs à pieds pour les fonctions de Réverbération et de Trémolo: Branchez des interrupteurs à pied blindés pour obtenir une commande à distance de ces effets que vous aurez réglés avec les commandes du panneau avant.
4. Interrupteur de Pouvoir C.A.: Régie l'approvisionnement de pouvoir.
5. Sortie pour enceinte additionnelle: Pour brancher une des enceintes de haut-parleur additionnelles suggérées:
 - YF-12: 4 x 12" - 200 Watts, 4 ohms.
 - Y-212: 2 x 12" - 150 Watts, 4 ohms.
 - YCV-212: 2 x 12" Vega - 200 Watts, 8 ohms.
6. Interrupteur d'atterrage à 3 positions: Les deux positions supérieures servent au renversement habituel de la polarité lorsque l'ampli est branché dans une prise de courant non-atterrée. La position "Lift" lève l'atterrage indépendant des circuits pour éliminer le bruit qui advient lorsque plusieurs accessoires qui n'ont pas le même atterrage sont branchés ensembles.

SPECIFICATIONS GENERALES:

Puissance de sortie R.M.S.: 80 Watts *à son égal, 150 Watts *à son ouvert.

Impédance de sortie: 4 ohms (12 ohms limite minimum)

Haut-Parleurs: 2 x 12" - 8 ohms, 75 Watts chacun - total de 150 Watts, 4 ohms.

Dimensions et poids: 28" x 23" x 11" - 75 lbs.

(La distortion harmonique est typiquement inférieure à 5% au niveau de sortie *à son égal. Les haut-parleurs devraient avoir une capacité de pouvoir totale au moins égale à la puissance de sortie de l'ampli *à son ouvert.)

DIVERS

- * Les haut-parleurs 12" de cet ampli ont été conçus spécifiquement pour la guitare. Vous pourriez les endommager en les utilisant avec une contrebasse.
- * Laissez un espace d'au moins un pied en arrière de l'ampli pour assurer une circulation d'air suffisante pendant l'opération.
- * Vérifiez les lampes de puissance à tous les six mois et remplacez-les si elles s'affaiblissent.
- * Pour le service sur garantie, consultez votre détaillant Traynor autorisé.
- * Pour des informations spéciales, écrivez a:

YORKVILLE SOUND LIMITED
80 Midwest Road
Scarborough, Ontario
Canada M1P 4R2

YORKVILLE SOUND INC.
56 Harvester Ave
Batavia, N.Y.
U.S.A. 14020

MAY 1965
10000

TRAYNOR
YGL-3 Mark 3 Amplifier

General Instructions

1. Plug the power cord into a grounded, 110 volt, 60 Hz. power outlet. (220 volts, 50 Hz. in U.K. and European models)
2. Set the front switch to STANDBY, and the power switch to "ON". If the amplifier does not come on, check the power connection and if necessary, press the circuit breaker. (In 220 volt amps replace fuse with similar type only)
3. Leave front switch on "STANDBY" for about a minute to allow the tubes to warm up.
4. When ready to play, plug in instrument and switch to "RUN".
It is advisable to put your amplifier on STANDBY between sets when plugging-in instrument leads.
5. Set the "Ground" switch for minimal noise. The "Lift" setting may be utilized to reduce hum caused by ground-loop.

EXPLANATION OF CONTROLS: Front Panel

Note: Items 1 to 4 apply to both channels. Reverb, Tremolo and Master Volume are available on Channel 2 only.

1. INPUTS: "High" inputs have added sensitivity for lead overdrive. "Normal" inputs may be preferred for rhythm.
2. TREBLE BOOST: Enhances the highs when in the upper position and with the Volume set at less than 10.
3. VOLUME: Varies preamp gain from zero to maximum.
4. TREBLE MIDDLE, BASS: Provide wide-range tonal variations.
5. REVERB: Controls amount of reverberation from zero to maximum.
6. TREMOLO: Speed & intensity - varies the rate and depth of the tremolo effect. The tremolo is off with the intensity control at zero.
7. MASTER VOLUME: Controls the preamp output level of channel two (only) and may be used to regulate loudness in accordance with room-size and bands volume.

BACK PANEL

1. "Accessory Plug": An A.C. socket for supplying current to any additional electrical device drawing no more than 200 watts.
2. "Circuit Breaker": Replace the usual fuse to protect circuits from A.C. overloads. Should such an overload cause the "breaker" to open, the amplifier will shut off completely. Simply press the red "Re-set" button to re-establish operation.
- 2a. Fuse (in 220 volt models): Should always replace with similar type.

3. Reverb and Tremolo Footswitch Jacks: Connect shielded footswitches for remote on/off control of these effects, pre-set with the front panel controls.
4. "A.C. On-Off" Switch: Governs main power supply.
5. "Extension" Jack: For connecting one of the following suggested speaker cabinets:
 - Y-4120: 4 x 12" speakers - 150 watts, 5.3 ohms overall
 - Y-212 2 x 12" speakers - 150 watts, 4 ohms overall
6. 3 - Position Ground Switch: Top two "Ground" setting for standard polarity reversal when the amp is connected to an ungrounded outlet. "Lift" setting floats the independent circuit ground from the chassis to reduce ground loop hum (a condition which occurs when an amplifier is connected to one or more A.C. powered devices which are not grounded the same way).

GENERAL SPECIFICATIONS

R.M.S. Output: 80 watts *pre-clipping, 150 watts *full clipping.
Output Impedance: 4 ohms (12 ohms minimum load limit)
Speakers: 2 x 12" - 8 ohms, 75 watts each - 4 ohms, 150 watts total
Dimensions & Weight: 28" x 23" x 11" - 75 lbs.

(Harmonic distortion is typically below 5% at the *pre-clipping output level.
Speakers should have total power-handling at least equal to the amplifiers *full-clipping power)

GENERAL

The 12-inch speakers in this amplifier were especially designed for guitar. Playing bass through them may cause damage.

Leave at least a 1-foot air space behind the amplifier for adequate ventilation when in use.

Check the power tubes at least every 6 months and replace when weak.

For warranty service, contact your authorized Traynor dealer.

For special information, write to:

YORKVILLE SOUND LIMITED
80 Midwest Road,
Scarborough, Ontario
Canada - M1P 4R2

OR

YORKVILLE SOUND INC.
56 Harvester Ave.,
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U.S.A. 14020

YORKVILLE SOUND LTD TNE-

SERVICE BULLETIN.

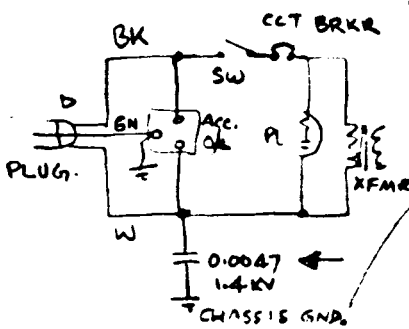
JAN. 15 7/6.

ADDITION OF LINE TO CHASSIS CAPACITOR



PURPOSE : SOME CUSTOMERS ARE UNABLE TO PROPERLY GROUND OUR MUSICAL INSTRUMENT AMPS USING THE 3-PRONG PLUG. OFTEN THE 3RD (GROUNDING) PRONG HAS BEEN REMOVED. BECAUSE OF THIS, THE AMPS MAY HUM OR BUZZ.

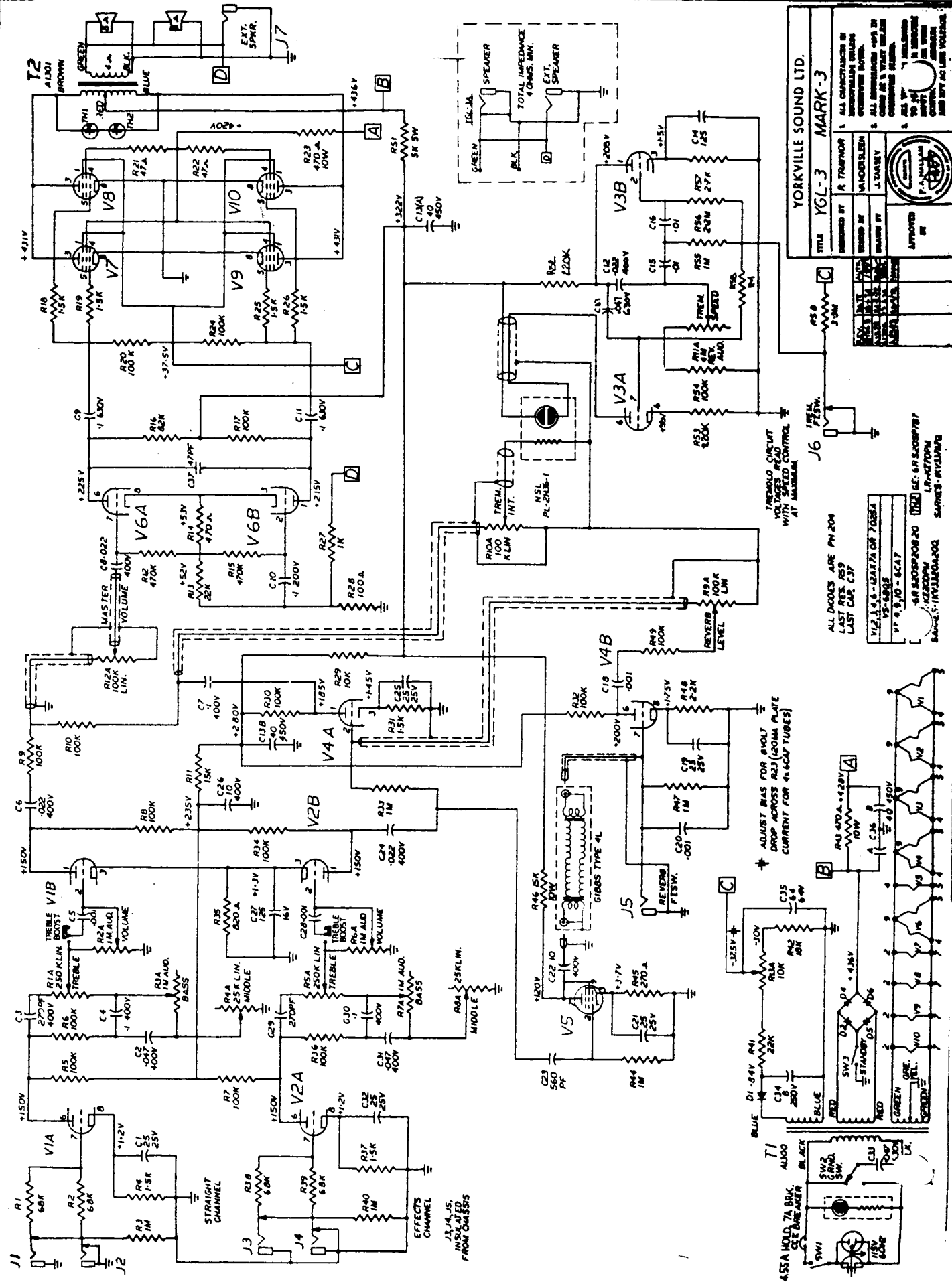
SOLUTION : A LINE TO CHASSIS CAPACITOR MAY BE INSTALLED BETWEEN THE WHITE (NEUTRAL) POWER LINE WIRE TO CHASSIS GROUND INSIDE THE AMP. THIS WILL BYPASS MOST HUM AND BUZZ TO GROUND AND MAKE CUSTOMER HAPPY.



NOTE: SINCE A BREAKDOWN SHORT CIRCUIT IN THIS CAPACITOR OR WIRING COULD CONNECT THE CHASSIS TO THE POWER LINE, USE CARE IN INSTALLATION OF CAPACITOR, AND ONE OF THE 2 APPROVED (CSA - UL) CAPACITORS BELOW:

- | | | | | |
|---------------|---|-----------------|-------|-----------|
| 1. MAIDA | } | 0.0047 μ F | 1.4KV | DISC TYPE |
| 2. DIELECTRON | | OUR PART # 5576 | | |

NOTE ALSO: INFORM CUSTOMER THAT SINCE THE PLUG WITH THE REMOVED GROUNDING PRONG WILL NOW GO IN SOCKET EITHER WAY, ONLY ONE WAY WILL SUPPRESS HUM & BUZZ. HE'LL HAVE TO TRY THE REST ONE



YORKVILLE SOUND LTD. MARK-3

MODEL: YS-1000

DESIGNED BY: A. TRAPPANOR

ENGINEERED BY: W. H. HARRISON

MANUFACTURED BY: J. HARRIS

APPROVED BY: P. J. HARRIS

ALL COMPONENTS IN THIS CIRCUIT ARE OF THE HIGHEST QUALITY AND ARE AVAILABLE FROM ALL REPUTABLE SUPPLIERS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

ALL VOLTAGES ARE R.M.S. UNLESS OTHERWISE SPECIFIED.

ALL CURRENTS ARE IN AMPS UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE IN OHMS UNLESS OTHERWISE SPECIFIED.

ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

ALL TUBES ARE OF THE 6X4 TYPE UNLESS OTHERWISE SPECIFIED.

ALL TRANSFORMERS ARE OF THE 6X4 TYPE UNLESS OTHERWISE SPECIFIED.

ALL SPEAKERS ARE OF THE 10Ω TYPE UNLESS OTHERWISE SPECIFIED.

ALL SWITCHES ARE OF THE 100V TYPE UNLESS OTHERWISE SPECIFIED.

ALL POTENTIOMETERS ARE OF THE 100K TYPE UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE PH. 200

LAST RES. AS9

LAST CAP. C37

V1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

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