

Serial 5406 N. 1361

A. C. 35

POWER SUPPLY

(90964)

MANUAL #183-30
PRICE \$0.50

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SECTION I Unpacking - Claims

1-1 **DAMAGE:** This equipment has been carefully packed for safe arrival IF PROPERLY HANDLED EN ROUTE.

(a) OBVIOUS DAMAGE

If the carton showed signs of rough handling, you should have made such notation on the delivering carrier's receipt. If inspection shows obvious damage such as loose parts, broken parts, etc., the delivering carrier must be contacted immediately and a joint inspection made with this carrier's agent. The joint inspection is NOT a claim but an acknowledgement that the equipment was damaged. The form does not assign responsibility for the damage, but prepares the foundation on which to file a claim. The carrier will then acknowledge or decline the claim at their main office and a local agent may not decline to enter a claim. If the shipment was parcel post, contact your local postmaster for the necessary forms and he will help you enter the claim.

(b) HIDDEN DAMAGE

In many cases the carton may not be damaged but the equipment may suffer internal damage not obvious on delivery of the shipment. The procedure for filing the claim would be the same as above.

Remember, the responsibility for safe delivery rests with the carrier. The responsibility in obtaining reimbursement for damage rests with YOU. Prompt action on your part will speed adjustments. Our warranty in no way covers malfunction or damage which is a result of improper handling by a carrier. Under no circumstances should you return merchandise to your dealer before instigating the necessary forms. To do so can jeopardize your investment and the costs of necessary repairs may be a burden you will have to assume. After joint inspection forms have been completed, contact your dealer for assistance.

SECTION II Installation

2-1 Installation of the 35AC power supply involves very little time or work. First, connect the main power cable to the Galaxy at P1. Before connecting the main AC power cord of the supply, the panel AC

SECTION II Installation (continued)

main power switch should be in the 'off' position. The switch is on the A. F. gain control of the GALAXY 35. Also, a good ground wire should be attached to the GALAXY ground post on the rear before power is applied. Now the AC power cord may be connected to 115 VAC.

SECTION III Testing - Voltage and Resistance

3-1 Testing for proper voltage and resistance in the AC 35 power supply.

RESISTANCE CHART Main Power Socket

PIN #	RESISTANCE	PIN #	RESISTANCE
1	50,000 Ohms	7	short circuit
2	open circuit	8	open circuit
3	10,000 Ohms	9	11,000 Ohms
4	open circuit	10	open circuit
5	20 Ohms	11	open circuit
6	6/100ths Ohm (.06)	12	open circuit

All measurements on above are made with Hewlett Packard model 410B VTVM. AC power cord and main power cords disconnected. Measure from chassis as common.

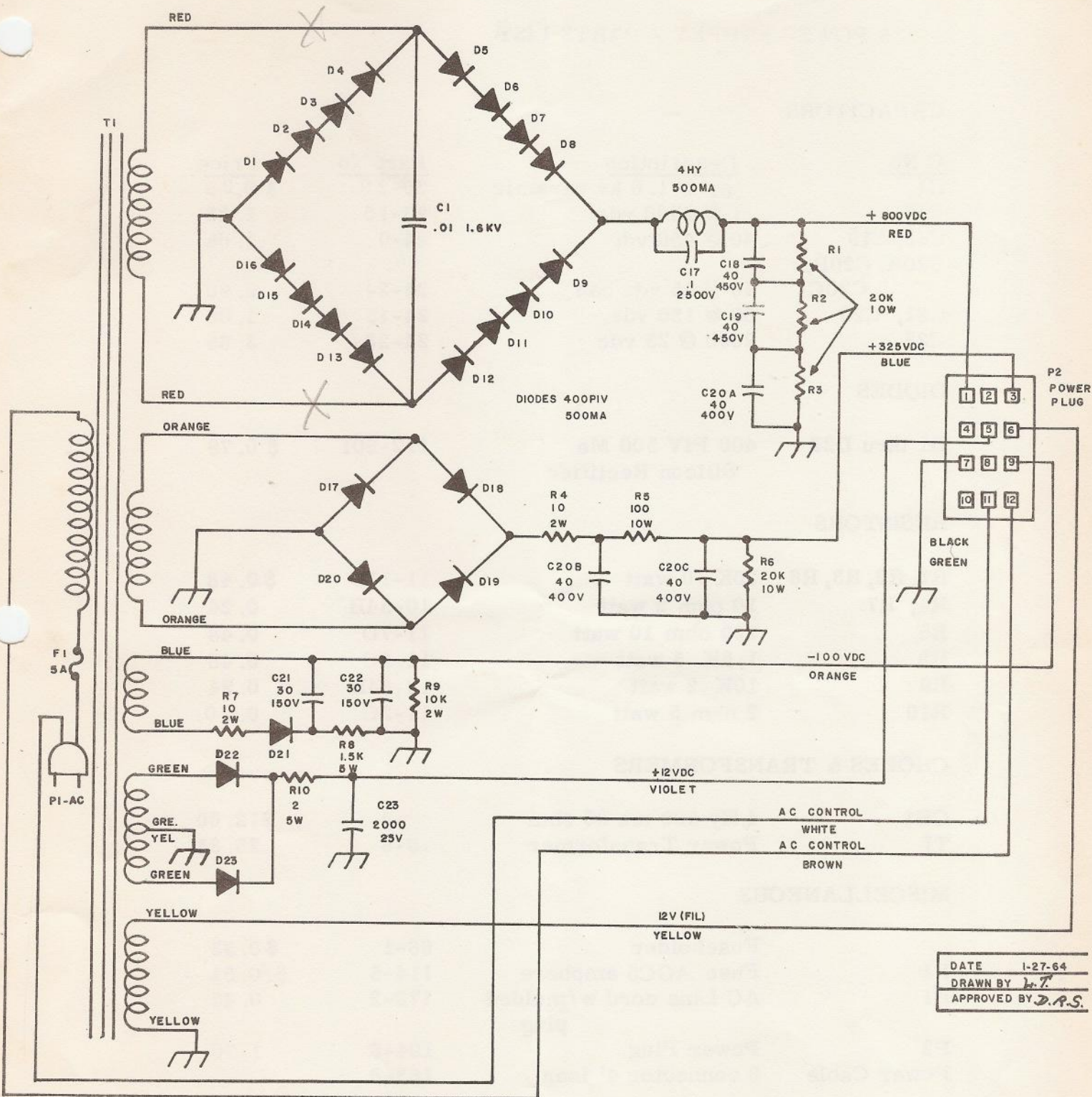
VOLTAGE CHART Main Power Socket

PIN #	VOLTAGE	PIN #	VOLTAGE
1	1,200 VDC (pos.)	7	0
2	0	8	0
3	400 VDC (pos.)	9	110 VDC (neg.)
4	0	10	0
5	16 VDC (pos.)	11	AC Control
6	12.6 VAC	12	AC Control

All measurements on above were made with a Hewlett Packard 410B VTVM. The main power socket is disconnected from the GALAXY 35. Prior to inserting the main AC power cord you should short Pins #11 and 12 together on the main power socket.

CAUTION: DANGEROUS VOLTAGES ON POWER PLUG P2

POWER SUPPLY SCHEMATIC



SECTION V

AC 35 POWER SUPPLY - PARTS LIST

CAPACITORS

C No.	Description	Part No.	Price
C1	.01 @ 1.6 kv ceramic	20-29	\$ 0.25
C17	1 @ 2500 vdc	23-10	1.35
C18, C19	40 @ 450 vdc	24-9	1.08
C20A, C20B, C20C	40 @ 45 vdc can	24-24	2.90
C21, C22	30 @ 150 vdc	24-15	1.08
C23	2000 @ 25 vdc	24-23	3.65

DIODES

D1 thru D22	400 PIV 500 Ma Silicon Rectifier	112-501	\$ 0.79
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RESISTORS

R1, R2, R3, R6	20K 10 watt	11-11D	\$ 0.48
R4, R7	10 ohm 2 watt	10-54B	0.24
R5	100 ohm 10 watt	11-7D	0.48
R8	1.5K 5 watt	11-5C	0.48
R9	10K 2 watt	10-64B	0.24
R10	2 ohm 5 watt	11-2C	0.20

CHOKES & TRANSFORMERS

CH1	4 Hy 500 ma 60 ohm	1-3	\$12.60
TI	Power Transformer	10-8	25.35

MISCELLANEOUS

F1	Fuseholder	66-1	\$ 0.33
P1	Fuse AGC5 ampere	114-5	5/0.51
P1	AC Line cord w/molded plug	172-2	0.45
P2	Power Plug	104-3	1.70
Power Cable	8 connector 4' long	163-8	

SECTION VI Service and Returns

6-1 SERVICE INFORMATION

- (a) MODEL OF EQUIPMENT IN QUESTION
- (b) EQUIPMENT SERIAL
- (c) DATE OF PURCHASE
- (d) DEALER'S NAME AND ADDRESS
- (e) OUR PART NUMBER OF ANY PART DESCRIBED

INFORMATION ONLY

If only information is desired, address the letter to the attention of the "TECHNICAL DEPARTMENT", stating the exact nature of the problem as briefly as possible, describing parts referred to by our part numbers and listing all measurements taken and effects observed. A brief, concise letter will be helpful.

PARTS ONLY REQUIRED NOT IN WARRANTY

In the event you know exactly what part or parts are required, we prefer that you order them through your dealer; however, whenever possible, we will ship direct where your check, covering parts cost and postage, is included. Where not included, we will ship C. O. D. We do not offer a billing service.

PARTS ONLY REQUIRED IN WARRANTY

Where possible, order parts through your dealer; however, to expedite, we can usually ship from our factory. HOWEVER, for parts to be shipped from our factory on an exchange-in-warranty basis, we MUST have your warranty card on file. It is therefore IMPORTANT that you mail in your warranty card as soon as possible. On requests for shipment of parts in warranty, where no card is on file, there may be a delay in order to verify warranty with your dealer. Where verification of warranty is in order, we will normally ship replacement parts with a special return label for the defective part or parts.

6-2 RETURNING EQUIPMENT FOR SERVICE

Do NOT ship equipment to us without prior authorization and special return labels. Doing so will usually cause delay.

When shipping equipment, be SURE it is insured with the carrier for compensation against possible shipping damage. We do NOT assume any responsibility for repairs necessary due to shipping damage. Units, received in

SECTION VI

6-2 RETURNING EQUIPMENT FOR SERVICE (Continued)

damaged condition, may be delayed while we file and process a claim to protect your interests. This is an undesirable but unavoidable situation. It is best avoided by adequate packing. Also, poor packing may result in the carrier rejecting the claim, in which case, you will bear the burden of repair costs. It is helpful and will expedite if you will mail an advance letter of the forthcoming shipment, listing complaints in detail and packing a copy in with the equipment. BE SURE TO LIST ALL REQUIRED INFORMATION OF DEALER, DATE OF PURCHASE, ETC.

PREPAY ALL SHIPMENTS TO US

Where equipment is repaired and parts or labor are not in warranty, the equipment will be returned with costs collected by the carrier on delivery. We offer no billing service.

SECTION VII

7-1 WARRANTY

GALAXY ELECTRONICS warrants each new product manufactured by it to be free from defective material or workmanship and agrees to remedy any such defect or to furnish a new part in exchange for any part of a unit of its manufacture which under normal installation, use and service discloses such defect, provided the unit is delivered by the owner to GALAXY ELECTRONICS or such repair station as may be designated by us WITH ALL TRANSPORTATION CHARGES PAID, and provided that examination, in our judgment, thus discloses it is defective. Component parts, with the exception of tubes, are warranted for 1 year, and tubes and labor for 90 days, from the date of sale to the original purchaser.

This warranty does not extend to any of our products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper use or installation. Nor does the warranty cover improper repairs, adjustments, accessories not of our manufacture, or where the serial has been removed, defaced or changed. We do not authorize the purchase of replacement parts by the owner, to replace parts covered by our warranty, nor will we reimburse the owner for such unauthorized purchases.

SECTION VII

7-1 WARRANTY (Continued)

This warranty applies only to the original purchaser and is not transferable. This warranty is in lieu of all other warranties or specifications expressed or implied and no representative or person is authorized to assume for us any other liability in connection with the sale of our products.

GALAXY ELECTRONICS reserves the right to change circuit design, component specifications, features, or any previously advertised specification at any time without advance notice or incurring any obligation to purchasers of products previously manufactured or sold.