

NOTES:
1) UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE IN OHMS,
 $\frac{1}{4}$ WATT, 5%. UNLESS OTHERWISE
SPECIFIED, ALL CAPACITORS ARE
IN MICRO FARADS, AND HAVE A
50 VOLT RATING.

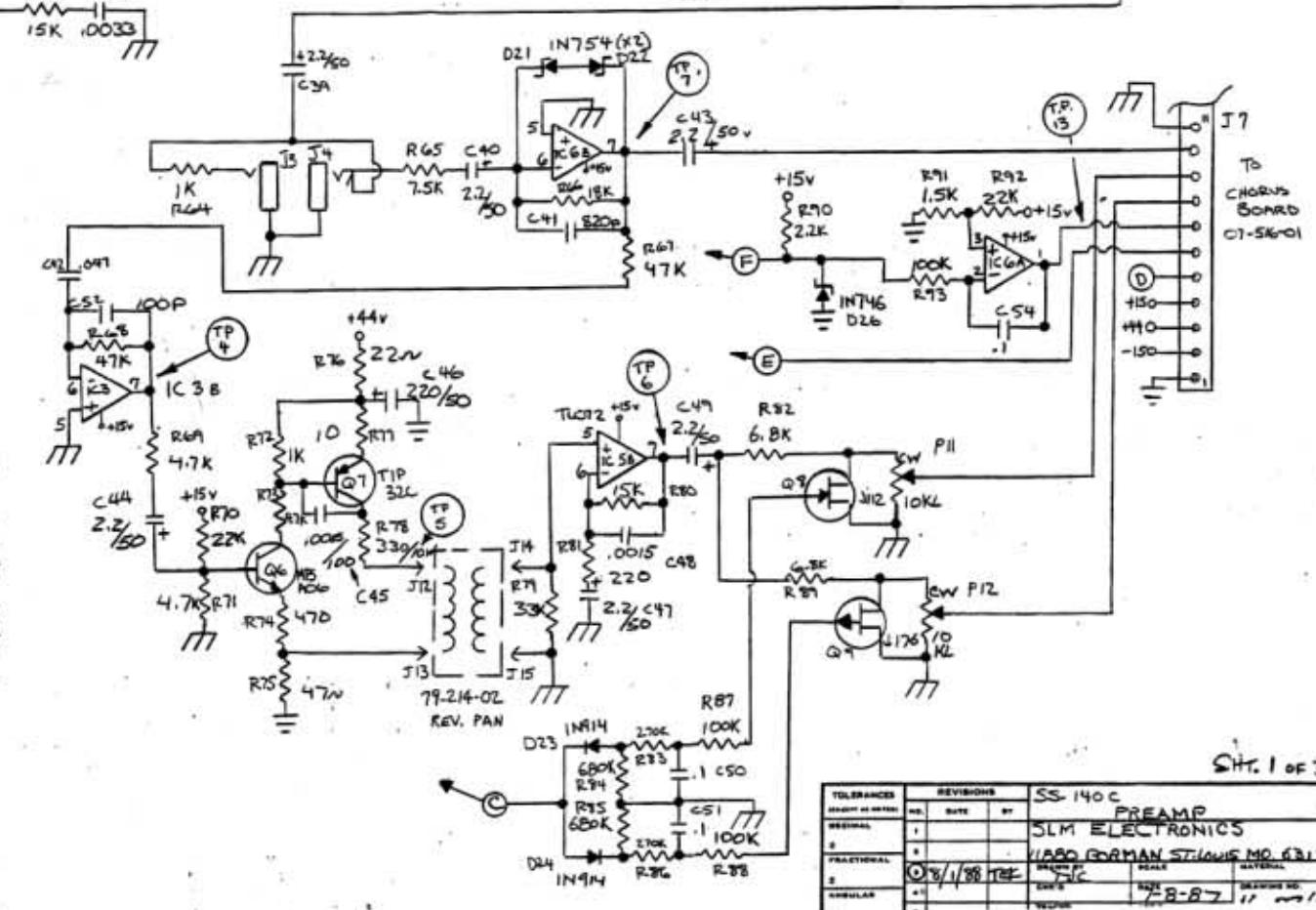
2) MEASUREMENTS AT TEST POINT
ARE MADE WITH A 1 MEGOHM INPUT
OSCILLOSCOPE.

CHANNEL 'A' CHANNEL 'B'
 GAIN, LEVEL, LOW, %
 HIGH @ 10, MID @ 5 GAIN, LEVEL, LOW,
 MID, HIGH @ 10
 BRIGHT BOOST "OFF"

| | CHANNEL A | | CHANNEL B | |
|-----|---------------|---------|---------------|---------|
| TR. | WAVE SHAPE | VOLTAGE | WAVE SHAPE | VOLTAGE |
| 1 | ~ | 20mVp-p | ~ | 20mV |
| 2 | ~ | 9mVp-p | ~ | 6v |
| 3 | — | 0V | ~ | .8v |
| 4 | ~~~~ | 12vp-p | ~ | 6v |
| 5 | M~ | 15vp-p | ~ | 9v |
| #6 | ~ | 24vp-p | ~ | 24v |
| 7 | M~ | 15vp-p | ~ | 6v |
| 8 | ~ | 95mVp-p | — | 0v |
| 9 | ~ | 13vp-p | — | 0v |
| 10 | ~ | 2.1vp-p | — | 0v |
| 11 | — | -13 | — | 0v |
| 12 | ~ | 7.2vp-p | ~ | 250μP |
| 13 | — | -14vdc | — | -14v |
| 14 | — | -14vdc | — | 15v |
| 15 | — | -12vdc | — | 13v |

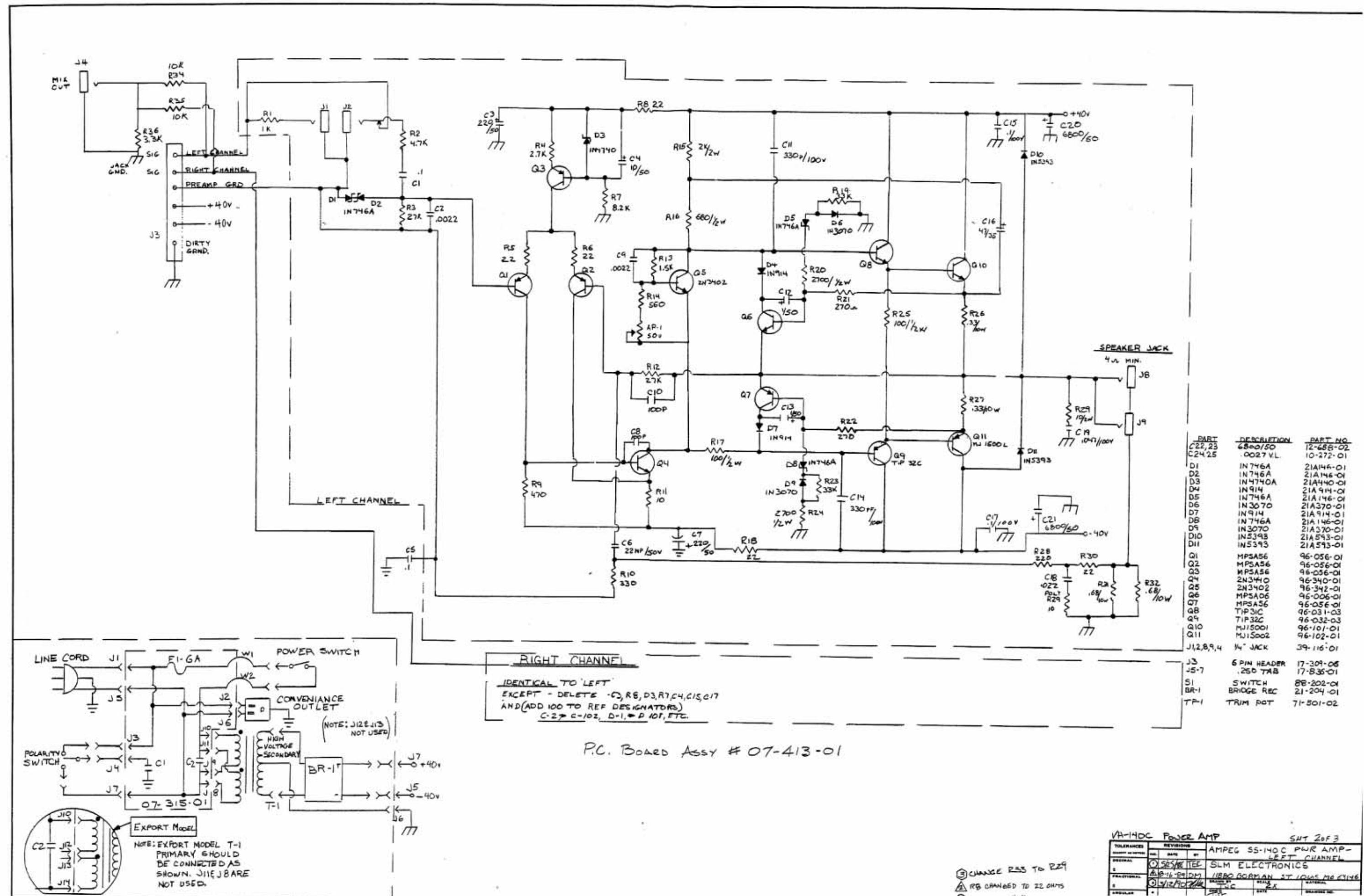
PARTIAL PARTS

| | | |
|--------|---------------------|----------|
| KL-3,6 | 4558 | 57-458 |
| KL,5 | TLOTR | 57-072 |
| PJ,2 | 100KPA | 70-104 |
| P5 | 50KA | 70-503 |
| PR | S0ERR | 70-503 |
| PS | IDEA YAW | 70-103 |
| P6 | S0KL | 70-138 |
| P7 | 250KA | 70-254 |
| P8 | 10KA | 70-105 |
| PI | 250KA | 70-254 |
| PIO | 10KA YSW | 70-105 |
| PJ,12 | 10KL | 70-132 |
| JH,6 | X ⁴ JACK | 59-117-1 |
| J5 | X ⁴ JACK | 59-117-0 |
| J7 | 14PIN HEADER | 77-310-1 |
| J8 | 3PIN HEADER | 77-310-0 |
| J9 | 5PIN HEADER | 77-310-0 |
| JOMI | XLR,MALE | 27-306 |
| J12-15 | 15FT TAB | 77-594 |
| J16 | GND LUG | 77-500 |



SHT. 1 OF 3

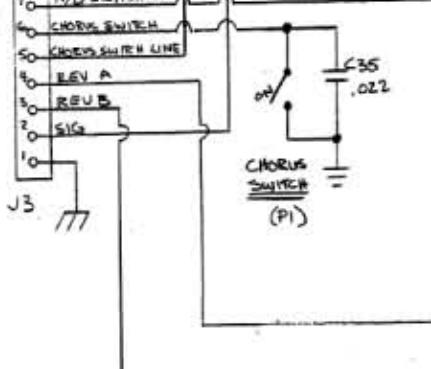
| REVISIONS | | SS-140C | | |
|------------|---------|---------|----------------------------------|----------|
| NO. | DATE | ST. | PREAMP | |
| | | | SLM ELECTRONICS | |
| # | | | 1400 BROADWAY ST. LOUIS MO 63146 | |
| FRACTIONAL | | | | |
| 0 | 08/1/88 | TFC | SCALE | MATERIAL |
| INCHES | | | | |
| MM | | | | |



PARTIAL PART LIST

| | | |
|------|-------------|-----------|
| I61 | 3001 | 37-340-01 |
| I62 | 4013 | 37-415-01 |
| I63 | TLC555 | 37-655-02 |
| I64 | 4558 | 37-455-01 |
| I65 | 74M15 | 37-915-01 |
| I66 | 74M15 | 37-715-01 |
| P1 | 10KL | 70-103-29 |
| P2 | 10KL | 70-103-22 |
| P3 | 100RA | 70-104-23 |
| P4-1 | DETTRIM | 71-103-02 |
| P4-2 | SOKTRIM | 71-503-02 |
| J1 | 4PIN HEADER | 17-310-09 |
| J2 | 5PIN HEADER | 17-310-05 |
| J3 | 8PIN HEADER | 17-310-11 |

HARNESS
#47-131-16
FROM
PREAMP
BOARD
#07-513-01



NOTES:

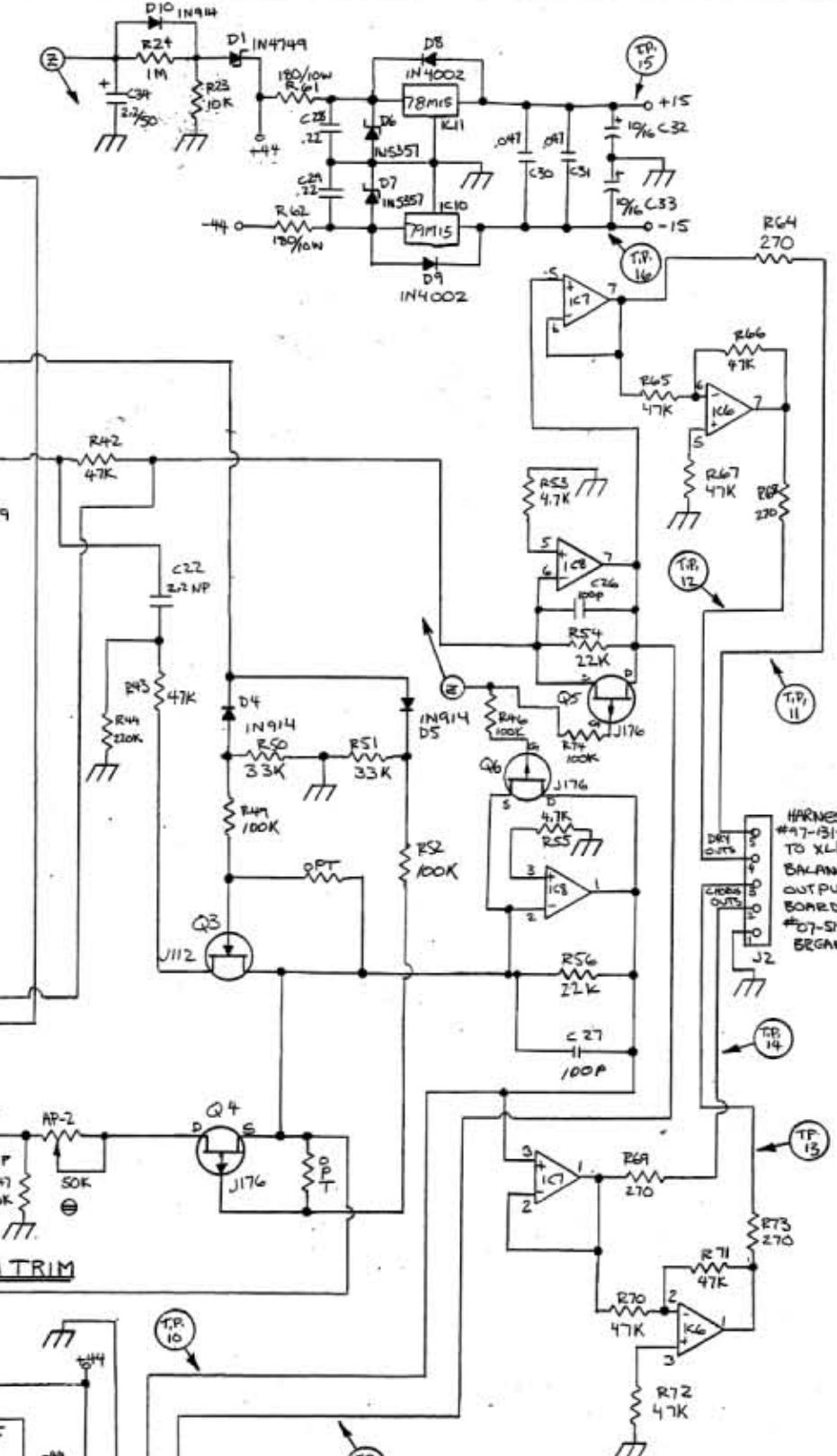
- 1) THIS SCHEMATIC PROVIDED FOR USE ONLY BY QUALIFIED PERSONNEL, TO AVOID RISK OF ELECTRICAL SHOCK, REFER SERVICING TO QUALIFIED SERVICING PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.
- 2) THIS UNIT CONTAINS HAZARDOUS VOLTAGES, DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- 3) UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE IN OHMS, 1/4 WATT, 5%. ALL CAPACITORS ARE IN MICROFARADS AND HAVE A 50V RATING.
- 4) MEASUREMENTS AT TEST POINTS ARE MADE WITH A 1MΩ INPUT OSCILLOSCOPE UNDER THE FOLLOWING CONDITIONS:
A/B SWITCH LINE @ -15V, CHORUS SWITCH LINE @ -15V,
24VPP INPUT @ 1KHz, EXCEPT AS NOTED.

| TP | WAVE FORM | VOLTAGE | SPECIAL CONDITIONS |
|----|-----------|--------------------------|---------------------|
| 1 | ~ | 7Vpp, 7VDC | |
| 2 | ~ | 8.5Vpp, 3.2VDC 6.7VDC | DEPTH 0@10, RATE@10 |
| 3 | — | 6.8VDC | DEPTH 0@0 |
| 4 | ~ | 8.5Vpp, 3.2VDC 6.7VDC | DEPTH 0@10 |
| 5 | ~ | 8.5Vpp, 3.2VDC 6.7VDC | DEPTH 0@10 |
| 6 | — | 6.8VDC | DEPTH 0@0 |
| 7 | ~ | 8.5Vpp, 3.2VDC 6.7VDC | DEPTH 0@10 |
| 8 | ~ | 8.5Vpp, 3.2VDC 6.7VDC | DEPTH 0@10 |
| 9 | ~ | 7Vpp | |

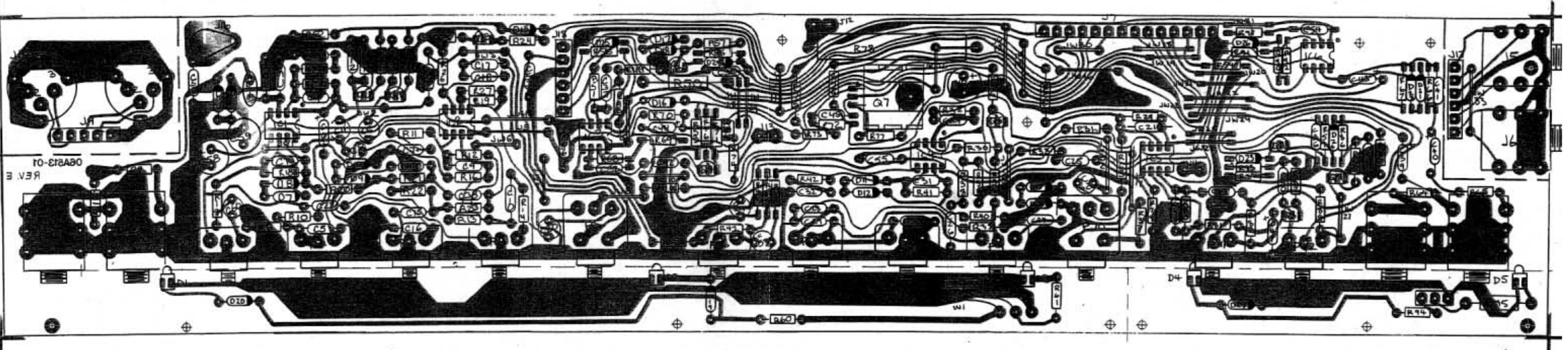
| 3 | 4.5VDC 15V PEAK | DEPTH 0@0 |
|----|--------------------|----------------------|
| 4 | ~ | DEPTHS 0@10, RATE@10 |
| 10 | ~ | DEPTHS 0@10 |
| 14 | ~ | DEPTHS 0@10 |
| 15 | — | +15VDC |
| 16 | — | -15VDC |
| 17 | ~ | 5.5Vpp, 7.5mV |

| 9 | 3.1Vpp-P | — |
|----|----------|---------------|
| 10 | 3.1Vpp-P | — |
| 14 | 3.1Vpp-P | — |
| 15 | — | +15VDC |
| 16 | — | -15VDC |
| 17 | ~ | 5.5Vpp, 7.5mV |

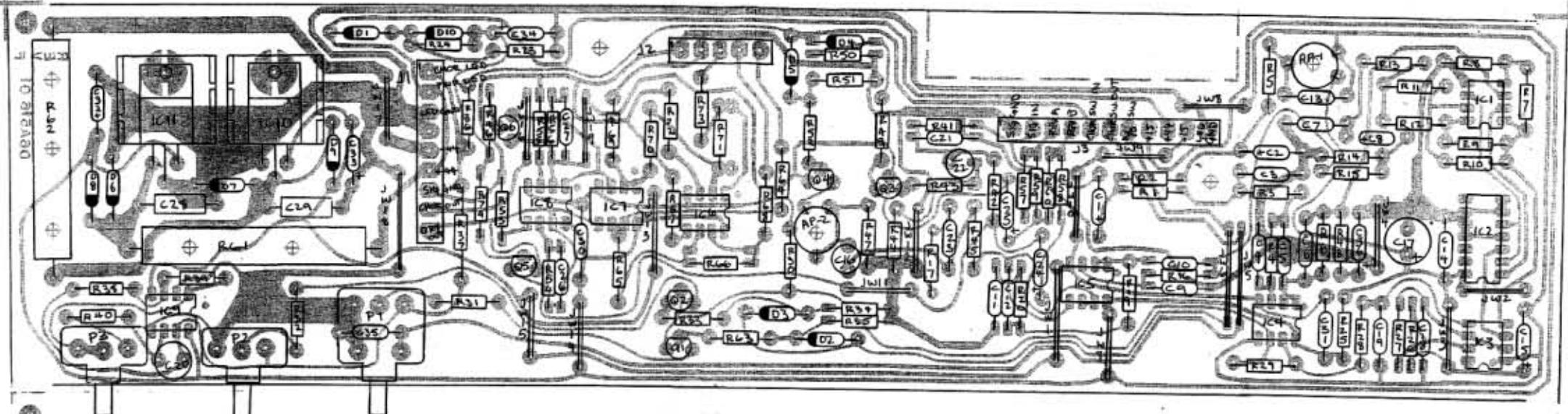
HARNESS #47-131-31
TO POWER AMP
#07-413-01
BREAKOFF



| TOLERANCE | REVISIONS | | MATERIAL |
|------------|-----------|-----|-------------------------------|
| | MIN | MAX | |
| ±% | ±10 | ±10 | SS-14DC |
| FRACTIONAL | | | POWER AND CHORUS |
| ±% | ±10 | ±10 | SLM ELECTRONICS |
| MODULAR | ±10 | ±10 | 1600 FORMAN ST LOUIS MO 63146 |
| | ±10 | ±10 | 1475-15-B7 |
| | ±10 | ±10 | BRASSING |
| | ±10 | ±10 | AMPS |



| | | | | | | | | | | | | | | | | | | | | |
|-----|----------|-----------|------|-------|-----------|--------|------------|-----------|-----|--------|-----------|------|------------|-----------|------|---------|-----------|-----|---------------|-----------|
| R1 | 22K | 76-223-01 | R26 | 100K | 76-104-01 | R71 | 47K | 76-472-01 | C4 | 2.2NP | 12-225-01 | C40 | 220/50 | 12-227-02 | D20 | IN914 | ZIA914-01 | P8 | 10KA | 70-103-22 |
| R2 | 22K | 76-223-01 | R27 | 270E | 76-274-01 | R72 | 1K | 76-102-01 | C5 | .047 | 10A473-11 | C47 | 2.2/50 | 12A225-51 | ③D21 | IN759 | ZIA754-01 | P9 | 250KA | 70-254-22 |
| R3 | 270K | 76-274-01 | R28 | 1.5K | 76-152-01 | R73 | 47K | 76-472-01 | C10 | .22 | 10A221-01 | ③C48 | .0015 | 10A152-11 | ③D22 | IN754 | ZIA754-01 | P10 | 10EP45N | 70-103-22 |
| R4 | 1.5K | 76-152-01 | R29 | 5.3K | 76-332-01 | R74 | 470 | 76-472-01 | C11 | 2.2NP | 12-225-01 | C49 | 22/50 | 12A225-51 | D23 | IN914 | ZIA914-01 | P11 | 10KL | 70-152-01 |
| R5 | 7.5K | 76-752-01 | R30 | 4.7K | 76-472-01 | R75 | 47 | 76-470-01 | C12 | .001 | 10A102-11 | C50 | .1 | 10A104-01 | D24 | IN914 | ZIA914-01 | P12 | 10KL | 70-152-01 |
| R6 | Not Used | | R31 | 33K | 76-333-01 | R76 | 22 | 76-220-01 | C13 | 530P | 10A531-11 | C51 | .1 | 10A104-01 | D25 | IN746 | ZIA146-01 | | | |
| R7 | 100K | 76-104-01 | R32 | 15K | 76-153-01 | R77 | 10 | 76-100-01 | C14 | .047 | 10A473-11 | C52 | 100P | 10A101-21 | D26 | IN746 | ZIA146-01 | J1 | X"JACK | 39-117-01 |
| R8 | 33K | 76-332-01 | R33 | 470 | 76-472-01 | R78 | 330/10W | 76-331-10 | C15 | .022 | 10A223-01 | C53 | .022 | 10A223-01 | D27 | IN754 | ZIA754-01 | J2 | X"JACK | 39-119-01 |
| R9 | 22K | 76-223-01 | R34 | 4.7K | 76-472-01 | R79 | 33K | 76-333-01 | C16 | .01 | 10A153-11 | C54 | .1 | 10A104-01 | D28 | IN914 | ZIA914-01 | J3 | X"JACK | 39-119-01 |
| R10 | 97K | 76-473-01 | R35 | 270K | 76-274-01 | ③R30 | 15K | 76-153-01 | C17 | 2.2/50 | 12A225-51 | C55 | .047 | 10A473-11 | D29 | IN914 | ZIA914-01 | J4 | X"JACK | 39-119-01 |
| R11 | 100 | 76-101-01 | R36 | 100K | 76-104-01 | R80 | 220 | 76-221-01 | C18 | 2.2/50 | 12A225-51 | C56 | .047 | 10A473-11 | | | | J5 | X"JACK | 39-117-01 |
| R12 | 1.5K | 76-152-01 | R37 | 100K | 76-104-01 | R81 | 220 | 76-221-01 | C19 | .01 | 10A103-11 | C57 | .047 | 10A473-11 | Q1 | J112 | 96-112-01 | J6 | X"JACK | 39-116-01 |
| R13 | 1.5K | 76-152-01 | R38 | 22K | 76-223-01 | R82 | 6.8K | 76-492-01 | C20 | 22NP | 12-225-81 | C58 | 100/35 | 12-107-32 | Q2 | J112 | 96-112-01 | J7 | 14PIN DIPOLAR | 17-310-14 |
| R14 | 47 | 76-410-01 | R39 | 1.5K | 76-152-01 | R83 | 270K | 76-274-01 | C21 | 100P | 10A101-21 | C59 | 100/35 | 12-107-32 | Q3 | J112 | 96-112-01 | J8 | 5PIN HEADER | 17-310-03 |
| R15 | 100K | 76-104-01 | R40 | 2F/ZW | 78-202-01 | R84 | 680K | 76-684-01 | C22 | .047 | 10A473-11 | C60 | 2.2NP | 12-225-81 | Q4 | J176 | 96-176-01 | J9 | 5PIN ALADGR | 17-310-05 |
| R16 | 22K | 76-223-01 | R41 | 100K | 76-104-01 | R85 | 680K | 76-684-01 | C23 | .1 | 10A104-01 | C61 | 2.2/50 | 12-225-81 | Q5 | J176 | 96-176-01 | J10 | XLR, MALE | 39-306-01 |
| R17 | 270K | 76-274-01 | R42 | 33K | 76-533-01 | R86 | 270K | 76-274-01 | C24 | 100P | 10A101-21 | C62 | 2.2NP | 12-225-81 | Q6 | MPS-406 | 96-006-01 | J11 | XLR, MALE | 39-306-01 |
| R18 | 270K | 76-274-01 | R43 | 33K | 76-533-01 | R87 | 100K | 76-104-01 | C25 | .082 | 10A223-01 | D1 | RED LED | 21-501-01 | Q7 | TIP-32L | 96-052-03 | J12 | .197"TBG | 17-314-01 |
| R19 | 270K | 76-274-01 | R44 | 33K | 76-533-01 | R88 | 100K | 76-104-01 | C26 | .022 | 10A223-01 | D2 | GREENLED | 21-502-01 | Q8 | J112 | 96-112-01 | J13 | .187"TBG | 17-314-01 |
| R20 | 470 | 76-471-01 | R45 | 33K | 76-533-01 | R89 | 6.8K | 76-682-01 | C27 | 220P | 10A221-11 | C28 | YELLOW LED | 21-503-01 | Q9 | J112 | 96-112-01 | J14 | .187"TBG | 17-314-01 |
| R21 | 4.7K | 76-472-01 | R90 | 33K | 76-533-01 | R90 | 2.2K | 76-222-01 | C28 | .1 | 10A104-01 | D4 | YELLOW LED | 21-503-04 | Q10 | MPS-455 | 96-055-01 | J15 | .187"TBG | 17-314-01 |
| R22 | 1K | 76-102-01 | R91 | 2.2K | 76-222-01 | R91 | 1.5K | 76-152-01 | C29 | .047 | 10A473-11 | D5 | RED LED | 21-501-01 | Q11 | J112 | 96-112-01 | J16 | 9PIN DIPLO | 17-500-01 |
| R23 | 47K | 76-473-01 | R92 | 33K | 76-333-01 | R92 | 22K | 76-223-01 | C30 | .0068 | 10A682-01 | D6 | IN759 | ZIA754-01 | D21 | 4558 | 57-458-01 | J17 | 6PIN HEADER | 17-310-06 |
| R24 | 47K | 76-473-01 | R93 | 270K | 76-274-01 | R93 | 100K | 76-104-01 | C31 | .50P | 10A500-21 | D7 | IN754 | ZIA754-01 | D22 | 4558 | 57-458-01 | J18 | 6PIN HEADER | 17-310-06 |
| R25 | 100K | 76-104-01 | R94 | 220 | 76-221-01 | R94 | .0033 | 10A332-01 | D8 | IN754 | ZIA754-01 | D23 | 4558 | 57-458-01 | | | | | | |
| R26 | 100K | 76-104-01 | R95 | 2F/ZW | 78-202-01 | R95 | 1NP | 12-105-81 | D9 | IN746 | ZIA146-01 | D24 | 4558 | 57-458-01 | | | | | | |
| R27 | 270K | 76-274-01 | R96 | 100 | 76-101-01 | R96 | 2.2NP | 12-225-71 | D10 | IN746 | ZIA146-01 | D25 | 10072 | 57-072-01 | | | | | | |
| R28 | 33K | 76-332-01 | R97 | 39K | 76-333-01 | JW1-53 | 0.0JUMPERS | 76-000-01 | C35 | .047 | 10A473-11 | D11 | IN759 | ZIA754-01 | ③D25 | 10072 | 57-072-01 | | | |
| R29 | 4.7K | 76-472-01 | ③R63 | 4.7K | 76-472-01 | C36 | .1 | 10A104-01 | D12 | IN754 | ZIA754-01 | D16 | 4558 | 57-458-01 | | | | | | |
| R30 | 15K | 76-153-01 | R64 | 1K | 76-102-01 | C37 | .1 | 10A104-01 | D13 | IN746 | ZIA146-01 | D17 | 4558 | 57-458-01 | | | | | | |
| R31 | 4.7K | 76-472-01 | ③R65 | 7.5K | 76-752-01 | C38 | 560P | 10A561-11 | D14 | IN746 | ZIA146-01 | P1 | 100ERA | 70-104-23 | | | | | | |
| R32 | 4.7K | 76-472-01 | ③R66 | 18K | 76-183-01 | C39 | 3.2/50 | 12A225-51 | C39 | 560P | 10A561-11 | D15 | IN746 | ZIA146-01 | P2 | 100ERA | 70-104-23 | | | |
| R33 | 15K | 76-153-01 | R67 | 47K | 76-473-01 | C40 | .051 | 10A102-11 | C40 | 2.2/50 | 12A225-51 | D16 | IN746 | ZIA146-01 | P3 | 50ERA | 70-503-22 | | | |
| R34 | 15K | 76-153-01 | R68 | 47K | 76-473-01 | C41 | .047 | 10A473-11 | D17 | IN914 | ZIA914-01 | P4 | 50ERA | 70-503-23 | | | | | | |
| R35 | 100K | 76-104-01 | R69 | 47K | 76-472-01 | C42 | .0015/100V | 10A152-11 | D18 | IN914 | ZIA914-01 | P5 | 10KA W/M | 70-103-28 | | | | | | |
| R36 | 22K | 76-223-01 | R70 | 22K | 76-223-01 | C43 | .0015 | 10A473-11 | D19 | IN914 | ZIA914-01 | P6 | 50KL | 70-133-01 | | | | | | |
| R37 | | | | | | | | | | | | | | | | | | | | |

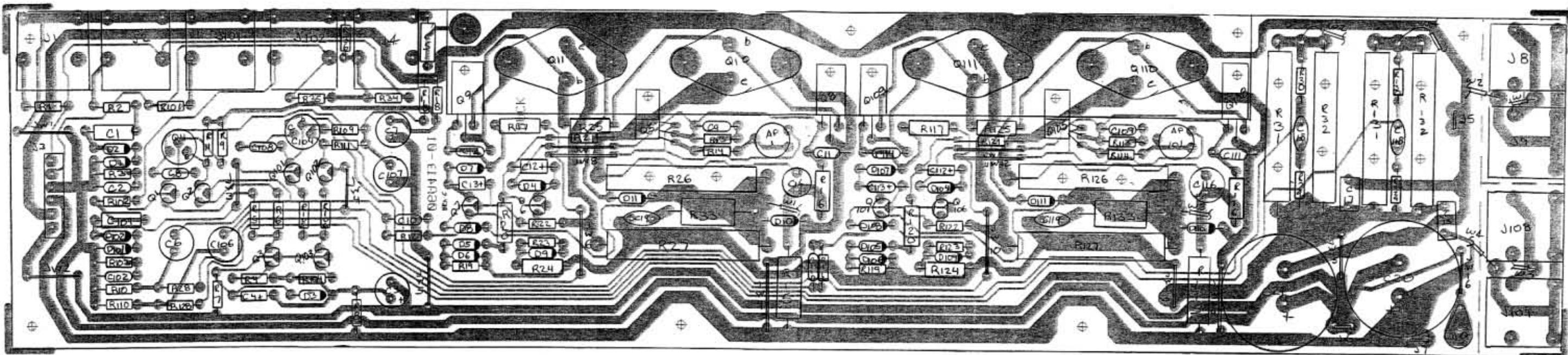


| | | | | | | | | | | | | | | |
|-----|-----------|-----------|-----|---------|-----------|----------------------------|---------|------------|-----|---------|-----------|----|------------------|-----------|
| R1 | 2.7K | 76-272-01 | R36 | 2.7K | 76-272-01 | R71 | 47K | 76-473-01 | C29 | .22 | 10A724-01 | Q1 | J176 | 96-176-01 |
| R2 | 2K | 76-273-01 | R37 | 2.7K | 76-272-01 | R72 | 47K | 76-473-01 | C30 | .047 | 10A473-11 | Q2 | J112 | 96-112-01 |
| R3 | 10K | 76-103-01 | R38 | 10K | 76-103-01 | R73 | 270 | 76-271-01 | C31 | .047 | 10A475-11 | Q3 | J112 | 96-112-01 |
| R4 | 10K | 76-103-01 | R39 | 27K | 76-273-01 | R74 | 100K | 76-104-01 | C32 | 10/6 | 12A106-11 | Q4 | J176 | 96-176-01 |
| R5 | 27K | 76-272-01 | R40 | 2.7K | 76-272-01 | R75 | 100K | 76-104-01 | C33 | 10/6 | 12A106-11 | Q5 | J176 | 96-176-01 |
| R6 | 47K | 76-472-01 | R41 | 560 | 76-561-01 | JH1-19 02 JUMPER 76-073-01 | | | C34 | 22/50 | 12A225-51 | Q6 | J176 | 96-176-01 |
| R7 | N.R. | 76-183-01 | R42 | 47K | 76-473-01 | R76 | 1K | 76-102-01 | C35 | .022 | 10A223-01 | R1 | ICL4518 | 70-103-27 |
| R8 | 1K | 76-102-01 | R43 | 47K | 76-473-01 | C1 | 22/50 | 12A225-51 | C36 | 2.2/50 | 12A225-51 | R2 | ICL4518 | 70-132-01 |
| R9 | 100K | 76-101-01 | R44 | 220F | 76-224-01 | C2 | 10/6 | 12A106-11 | D1 | IN4799A | 2IA47-01 | P1 | 100K 1N581 | 70-103-27 |
| R10 | 100K | 76-101-01 | R45 | 4.7K | 76-472-01 | C3 | 10/11 | 10A472-01 | D2 | IN914 | 2IA914-01 | P2 | 100K 1N581 | 70-132-01 |
| R11 | 4.7K | 76-472-01 | R46 | 100K | 76-104-01 | C4 | 330P | 10A321-11 | D3 | IN914 | 2IA914-01 | P3 | 100K 1N581 | 70-104-25 |
| R12 | 4.7K | 76-472-01 | R47 | 220K | 76-224-01 | C5 | .0097 | 10A472-01 | D4 | IN914 | 2IA914-01 | P4 | 10K 1N581 | 70-103-02 |
| R13 | 4.7K | 76-472-01 | R48 | 3.3K | 76-332-01 | C6 | .047 | 10A473-11 | D5 | IN914 | 2IA914-01 | P5 | 50K 1N581 | 70-503-02 |
| R14 | 220K | 76-224-01 | R49 | 100K | 76-104-01 | C7 | .0035 | 10A322-01 | D6 | IN551 | 2I-557-01 | R1 | 9 PIN HEADER | 70-310-09 |
| R15 | 18K | 76-183-01 | R50 | 56K | 76-563-01 | C8 | 22/50 | 12A225-51 | D7 | IN551 | 2I-557-01 | R2 | 5 PIN HEADER | 70-310-07 |
| R16 | 100R | 76-104-01 | R51 | 56K | 76-563-01 | C9 | .50P | 10A500-21 | D8 | IN4002 | 2IA402-01 | R3 | 11 PIN HEADER | 70-310-11 |
| R17 | 5.3K | 76-232-01 | R52 | 100K | 76-104-01 | C10 | .0047 | 10A472-01 | D9 | IN4002 | 2IA402-01 | R4 | 2 SCREWS | 80-440-52 |
| R18 | NOT USED | | R53 | 4.7K | 76-472-01 | C11 | 220P | 10A221-21 | D10 | IN914 | 2IA914-01 | R5 | 2 NUTS | 80-442-52 |
| R19 | 1.5K | 76-152-01 | R54 | 22K | 76-223-01 | C12 | .022 | 10A223-01 | D11 | IN551 | 2I-557-01 | R6 | 2 HEAT SINKS | 83-541-01 |
| R20 | 270K | 76-274-01 | R55 | 4.7K | 76-472-01 | C13 | .0057 | 10A502-01 | D12 | IN914 | 2IA914-01 | R7 | DESIGNED FOR A-E | |
| R21 | 1.1T USED | | R56 | 22K | 76-223-01 | C14 | .047 | 10A473-11 | D13 | MIN3007 | 37-307-01 | R8 | PC # 08A516-01 | |
| R22 | NOT USED | | R57 | 10K | 76-103-01 | C15 | 10/6 | 12A1C6-11 | D14 | 4013 | 374H3-71 | | | |
| R23 | 10K | 76-103-01 | R58 | 10K | 76-103-01 | C16 | 2.2NP | 12-225-51 | D15 | TLC555 | 67-555-02 | | | |
| R24 | 1M | 76-103-01 | R59 | 10K | 76-103-01 | C17 | 100/55 | 12-107-32 | D16 | 4558 | 37-458-01 | | | |
| R25 | 22 | 76-220-01 | R60 | 10K | 76-103-01 | C18 | .50P | 10A501-21 | D17 | 4558 | 37-458-01 | | | |
| R26 | 10K | 76-103-01 | R61 | 100/10W | 78-181-10 | C19 | .22 | 10A224-01 | D18 | 4558 | 37-458-01 | | | |
| R27 | 60K | 76-603-01 | R62 | 100/10W | 78-181-10 | C20 | 47/6 NP | 12-471w-31 | D19 | 4558 | 37-458-01 | | | |
| R28 | 2.7K | 76-272-01 | R63 | 100K | 76-104-01 | C21 | .0031 | 10A3912-01 | D20 | 4558 | 37-458-01 | | | |
| R29 | 10K | 76-103-01 | R64 | 270 | 76-271-01 | C22 | 2.2 NP | 12-225-51 | D21 | 4558 | 37-458-01 | | | |
| R30 | 22K | 76-223-01 | R65 | 4.7K | 76-473-01 | C23 | .047 | 10A473-11 | D22 | 4558 | 37-458-01 | | | |
| R31 | 10K | 76-103-01 | R66 | 47K | 76-473-01 | C24 | 22/50 | 12A225-51 | D23 | 4558 | 37-458-01 | | | |
| R32 | 10K | 76-103-01 | R67 | 47K | 76-473-01 | C25 | 2.2/50 | 12A225-51 | D24 | 78M15 | 37-715-01 | | | |
| R33 | 100K | 76-104-01 | R68 | 270 | 76-271-01 | C26 | 100P | 10A101-21 | D25 | 78M15 | 37-715-01 | | | |
| R34 | 55K | 76-333-01 | R69 | 770 | 76-271-01 | C27 | 100P | 10A101-21 | | | | | | |
| R35 | 33K | 76-333-01 | R70 | 47K | 76-473-01 | C28 | .22 | 10A224-01 | | | | | | |

④ ART UP-DATED TO REV F.
3 JUMPERS REMOVED
⑤ PART VALUE CHANGES

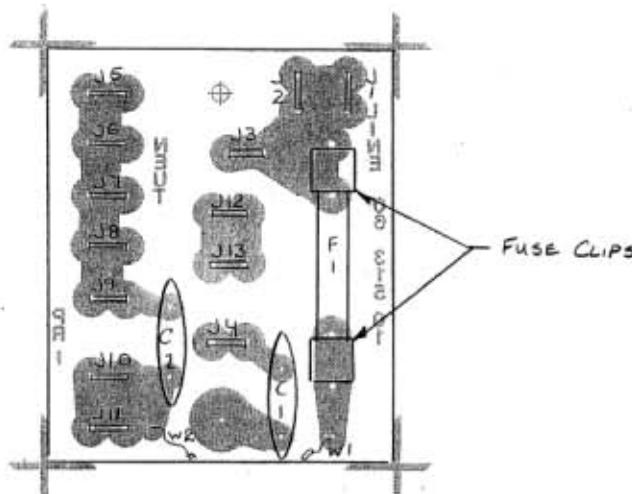
NOTE: 1) UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE IN OHMS, 1/4 WATT, 5% TOL. ALL CAPACITORS ARE IN MICROFARADS AND HAVE A 50VOLT RATING.

| TOLERANCES RADICAL TO INPUT | REVISIONS | | |
|--------------------------------|--------------|------|-----------------------|
| | REV | DATE | REV |
| | | | SS-140L CHORUS/PURITY |
| DECIMAL | | | |
| FRACTIONAL | 1/3/13/72 | 10% | 10% |
| DECIMAL | 0.5/1000 TOL | 10% | 10% |
| FRACTIONAL | 0.2/100 TOL | 10% | 10% |



| PART | DESCRIPTION | PART NO. | PART | DESCRIPTION | PART NO. |
|----------|--------------|-----------|-----------------|-----------------|-----------|
| R14 | 560 | 76-561-01 | C16,116 | .47/35V | 12-476-32 |
| R15 | 2K,2W | 78-202-01 | C17 | .1100V | 10A104-01 |
| R1,101 | 1K | 76-102-01 | C18,118 | .022 POLY | 10-223-02 |
| R2,102 | .47K | 76-472-01 | C19,119 | .047/.00V POLY | 10-473-03 |
| R3,103 | .27K | 76-273-01 | C20 | 6800/50 | 12-688-02 |
| R4,104 | .27K | 76-272-01 | C21 | 6800/50 | 12-688-02 |
| R5,105 | .22 | 76-220-01 | | | |
| R6,106 | .22 | 76-220-01 | | | |
| R7 | .8.2 K | 76-B22-01 | | | |
| R8 | .22 | 76-220-01 | | | |
| R9,109 | .470 | 76-471-01 | D1,101 | IN 746 A | 21A146-01 |
| R10,110 | .330 | 76-331-01 | D2,102 | IN 746 A | 21A146-01 |
| R11,111 | .10 | 76-100-01 | D3 | IN 740A | 21A440-01 |
| R12,112 | .27K | 76-273-01 | D4,104 | IN 914 | 21A914-01 |
| R13,113 | .1.5K | 76-152-01 | D5,105 | IN 746 A | 21A146-01 |
| R16,116 | 680 / 1/2 W | 77-680-01 | D6,106 | IN 3070 | 21A370-01 |
| R17,117 | 100 / 1/2 W | 77-101-01 | D7,107 | IN 914 | 21A914-01 |
| R18,R118 | .22 | 76-220-01 | D8,108 | IN 746 A | 21A146-01 |
| R19,R119 | .33 K | 76-333-01 | D9,109 | IN 3070 | 21A370-01 |
| R20,120 | 2700 / 1/2 W | 77-272-01 | D0,110 | IN 5393 | 21A593-01 |
| R21,R121 | .270 | 76-271-01 | D1,111 | IN 5393 | 21A593-01 |
| R22,122 | .270 | 76-271-01 | | | |
| R23,123 | .33K | 76-333-01 | | | |
| R24,124 | 2700 / 1/2 W | 77-272-01 | Q1,101 | MPS A56 | %6-056-01 |
| R25,125 | 100 / 1/2 W | 77-101-01 | Q2,102 | MPS A56 | %6-056-01 |
| R26,126 | .33 / 10 W | 78-330-10 | Q3,103 | MPS A56 | %6-056-01 |
| R27,127 | .33 / 10 W | 78-330-10 | Q4,104 | 2N 3440 | 96-340-01 |
| R28,128 | .220 | 76-221-01 | Q5,105 | 2N 340Z | 96-342-01 |
| R29,129 | .10 | 76-100-01 | Q6,106 | MPS A56 | 96-056-01 |
| R30,130 | .22 | 76-220-01 | Q7,107 | MPS A56 | 96-056-01 |
| R31,131 | .68 / 10W | 78-068-10 | Q8,108 | TIP 31C | 96-051-03 |
| R32,132 | .68 / 10W | 78-068-10 | Q9,109 | TIP 32C | 96-052-03 |
| R33,133 | .10 / 2 W | 78-100-01 | Q10,110 | MJ 15001 | 96-101-01 |
| R34,134 | .10K | 76-103-01 | Q11,111 | MJ 15002 | 96-102-01 |
| R35,135 | .10K | 76-103-01 | | | |
| R36,136 | .3.3K | 76-332-01 | J1,2,8,9,10,101 | Y4" JACK | 39-116-01 |
| JW1-16 | | 76-000-02 | J3 | 6 PIN HDR. | 17-309-06 |
| | | | J5,7 | .250 TAB, | 17-836-01 |
| | | | J10 | GROUND LUG | 17-500-01 |
| C1,101 | .1 | 10A104-01 | | | |
| C2,102 | .0022 | 10A222-01 | TP-1,101 | TRIM POT. | 71-501-02 |
| C3 | 220/50V | 12-227-02 | H.S. | BRACKET | 33-117-01 |
| C4 | 1/50V | 12A105-51 | | | |
| C5,105 | .1 | 10A104-01 | W1 | 10.5" RED WIRE | 97-168-02 |
| C6,106 | 22 MP/50V | 12-226-81 | W2 | 5.5" BLACK WIRE | 97-168-56 |
| C7,107 | 220/50V | 12-227-02 | W3 | 6.5" RED WIRE | 97-168-62 |
| C8,108 | .100P | 10A101-21 | W4 | 5.5" BLACK WIRE | 97-168-56 |
| C9,109 | .0022 | 10A222-01 | | | |
| C10,C110 | .100 P | 10A102-21 | | | |
| C11,111 | 330P/100V | 10A331-11 | | | |
| C12,112 | .1/50V | 12A105-51 | | | |
| C13,113 | .1/50V | 12A105-51 | | | |
| C14,114 | 330P/100V | 10A331-11 | | | |
| C15 | .1/100V | 10A104-01 | | | |

| TOLERANCES | | REVISIONS | |
|-----------------------|----|-----------|---------|
| INCHES OR MILLIMETERS | MM | NO. | DATE |
| DECIMAL | | 1 | 8-16-81 |
| FRACTIONAL | | 2 | 14-1401 |
| ANGULAR | | 3 | 14-1401 |
| | | 4 | 14-1401 |
| | | 5 | 14-1401 |
| | | 6 | 14-1401 |
| | | 7 | 14-1401 |
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| | | 62 | 14-1401 |
| | | 63 | 14-1401 |
| | | 64 | 14-1401 |
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| | | 67 | 14-1401 |
| | | 68 | 14-1401 |
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| | | 75 | 14-1401 |
| | | 76 | 14-1401 |
| | | 77 | 14-1401 |
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| | | 83 | 14-1401 |
| | | 84 | 14-1401 |
| | | 85 | 14-1401 |
| | | 86 | 14-1401 |
| | | 87 | 14-1401 |
| | | 88 | 14-1401 |
| | | 89 | 14-1401 |
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| | | 92 | 14-1401 |
| | | 93 | 14-1401 |
| | | 94 | 14-1401 |
| | | 95 | 14-1401 |
| | | 96 | 14-1401 |
| | | 97 | 14-1401 |
| | | 98 | 14-1401 |
| | | 99 | 14-1401 |
| | | 100 | 14-1401 |
| | | 101 | 14-1401 |
| | | 102 | 14-1401 |
| | | 103 | 14-1401 |
| | | 104 | 14-1401 |
| | | 105 | 14-1401 |
| | | 106 | 14-1401 |
| | | 107 | 14-1401 |
| | | 108 | 14-1401 |
| | | 109 | 14-1401 |
| | | 110 | 14-1401 |
| | | 111 | 14-1401 |
| | | | |



| PART | DESCRIPTION | PART NO. |
|---------------|------------------|-----------|
| C1,C2 | .0027 U.L. | 10-272-01 |
| J3,4,7 | .187 TAB | 17-894-01 |
| J1,2,5,6,8-13 | .250 TAB | 17-836-01 |
| W1,2 | 4" SNG / 2908NLR | 97-152-14 |
| 2 FUSE CLIPS | | 23-926-01 |
| △F1 | 6. 50U BREAK | 23-807-01 |
| PC. BOARD | | 06-315-01 |

| TOLERANCES | | REVISIONS | | AC TERMINATION 3A | | |
|------------|------------|-----------|-------|---------------------------------|-------------|-----------|
| DECIMAL | FRACTIONAL | DATE | REV | EAP SYT-200T SS-HOC | | |
| ± | △ | 9-14-87 | DIF | SLM ELECTRONICS | | |
| ± | ± | | | 1680 BORMAN ST. INKS MO. A-2146 | | |
| ANGULAR | ± | DATE | SCALE | 10-26-87 | APP | 07P315-01 |
| ± | ± | TECH | 2K | 5-26-87 | DRAWING NO. | |