

LIEN TECHNOLOGY

Tel: (408) 441-8081  
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ragon Dr., San Jose, CA 95131

3

ECO# 3

# ENGINEERING CHANGE ORDER

MODEL:  
1000/2000RB

CUSTOMER Gallien Krueger  
DESC. 2000RB/1000RB preamp  
ASSY# 206-0099-C/206-6098-C REV# C

LEVEL:  System  
 Board  
 Fab

DATE: 11/17/95  
ORIGINATOR: M Johns

|   |  |                 |           |                 |
|---|--|-----------------|-----------|-----------------|
| <input checked="" type="checkbox"/> EFFECTIVE           | <input type="checkbox"/> PENDING   | APPROVAL        | INITIAL   | DATE            |
| <input checked="" type="checkbox"/> Next production Run | Pending/Reject Reason:   | Engineering     | <u>MJ</u> | <u>11/17/95</u> |
| <input checked="" type="checkbox"/> All in Process      |  | Material        |           |                 |
| <input type="checkbox"/> All in Stock                   | Type of Change: <input type="checkbox"/> Necessary<br><input checked="" type="checkbox"/> Improvement<br><input type="checkbox"/> Other: | Production      |           |                 |
| <input type="checkbox"/> All being Serviced             |  | Fabrication     |           |                 |
| <input type="checkbox"/> Others:                        |  | Marketing       |           |                 |
|   |  | Cost accounting |           |                 |

REASON FOR CHANGE:  
*Improve bass response  
 Change Bottom control  
 Change Presence control  
 Reduce Noise*

Continued on ECO supplement page \_\_\_\_\_

AFFECTED AREA:

Schematic

Artwork

Bill of Material

Comp. Control Form

Assembly Drawing

Test Procedure

Fab Drawing

Silkscreen

Punch Program

DESCRIPTION OF CHANGE:

- 1) Change U8, U9: LF353 → RC553Z
- 2) R24: 500K → 220K (11/22/95)
- 3) C150, 175: 474 → 106
- 4) C185, 186: 335 → 336
- 5) C198, 199: 335 → 0.5J jumper ✓
- 6) R179, 190: 12K → 22K
- 7) R67, 77: 10K → 5.6K
- 8) C74: 104 → 224
- 9) C76: 104 → 474
- 10) C71: 335 → 106

Continued on ECO supplement page back

| TOTAL PARTS ADDED: ( ) not on 0098 |             |     |                 | TOTAL PARTS DELETED: |             |     |                         |
|------------------------------------|-------------|-----|-----------------|----------------------|-------------|-----|-------------------------|
| PART#                              | DESCRIPTION | QTY | REF.DES.        | PART#                | DESCRIPTION | QTY | REF.DES.                |
| 001-1042-0                         | RC553Z ✓    | 2   | (U8), U9 ✓      | 001-1030-0           | LF353 ✓     | 2   | U8, U9 ✓                |
| 038-2106-0                         | 106 ✓       | 3   | C150, 175, 71 ✓ | 030-2474-0           | 474 ✓       | 2   | C150, 175 ✓             |
| 038-0336-0                         | 336 ✓       | 2   | (185), 186 ✓    | 038-2335-0           | 335 ✓       | 5   | C185, 186, (198), 199 ✓ |
| 1.0-0000-0                         | 0.5J ✓      | 2   | C198, 199 ✓     | 050-1003-0           | 10K ✓       | 2   | R67, 77 ✓               |

DISTRIBUTION:  Engineering  Material  Production  Fabrication  Others: \_\_\_\_\_



GALLIEN TECHNOLOGY

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ECO# 4

# ENGINEERING CHANGE ORDER

MODEL:  
1000/2000RB

CUSTOMER: Gallien Krueger  
 P.C.: 2000 RB / 1000 RB  $\neq$  10 Board  
 ASSY#: 206-0101-B / 206-0101-B REV#: B

LEVEL:  System  Board  Fab  
 DATE: 11/17/95  
 ORIGINATOR: M Johns

EFFECTIVE

PENDING

- Next production Run
- All in Process
- All in Stock
- All being Serviced
- Others:

Pending/Reject Reason:

- Type of Change:
- Necessary
  - Improvement
  - Other:

| APPROVAL        | INITIAL   | DATE            |
|-----------------|-----------|-----------------|
| Engineering     | <u>MJ</u> | <u>11/17/95</u> |
| Material        |           |                 |
| Production      |           |                 |
| Fabrication     |           |                 |
| Marketing       |           |                 |
| Cost accounting |           |                 |

REASON FOR CHANGE:

**Improve bass response,  
reduce noise.**

Continued on ECO supplement page \_\_\_\_\_

AFFECTED AREA:

- Schematic
- Artwork
- Bill of Material
- Comp. Control Form
- Assembly Drawing
- Test Procedure
- Fab Drawing
- Silkscreen
- Punch Program

DESCRIPTION OF CHANGE:

- 1) Change U201: LF353-- NE5532
- 2) R232, 233: 12K--12K 10%
- 3) Q213: TIP31C--2SC4793
- 4) Q221: TIP32B-- 2SA1837
- 5) C261,267: 335--106

Continued on ECO supplement page \_\_\_\_\_

TOTAL PARTS ADDED:

TOTAL PARTS DELETED:

| PART#      | DESCRIPTION | QTY | REF.DES.  | PART#      | DESCRIPTION | QTY | REF.DES.  |
|------------|-------------|-----|-----------|------------|-------------|-----|-----------|
| 001-1042-0 | PC5532      | 1   | U201      | 001-1030-0 | LF353       | 1   | U201      |
| 050-1203-0 | 2K, 10%     | 2   | R232, 233 | 050-1203-0 | 12K         | 2   | R232, 233 |
| 012-0002-0 | 2SC4793     | 1   | Q213      | 011-0002-0 | TIP31C      | 1   | Q213      |
| 012-1002-0 | 2SA1837     | 1   | Q221      | 011-1003-0 | TIP32B      | 1   | Q221      |
| 033-2106-0 | 106         | 2   | C261, 267 | 033-2335-0 | 335         | 2   | C261, 267 |

DISTRIBUTION:

# ENGINEERING CHANGE ORDER

MODEL:  
2000 RB

CUSTOMER: Gallen-Krueger  
DESC: 2000 RB Power Amp  
ASSY#: 206-0100-C REV#

LEVEL:  System  
 Board  
 Fab

DATE: 1/4/95  
ORIGINATOR:  
Kevin Robertson

EFFECTIVE  
 Next production Run  
 All in Process  
 All in Stock  
 All being Serviced  
 Others:

PENDING  
Pending/Reject Reason:  
Type of Change:  Necessary  
 Improvement  
 Other:

| APPROVAL        | INITIAL   | DATE          |
|-----------------|-----------|---------------|
| Engineering     | <u>GR</u> | <u>1/4/95</u> |
| Material        |           |               |
| Production      | <u>JW</u> | <u>1/5/95</u> |
| Fabrication     |           |               |
| Marketing       |           |               |
| Cost accounting |           |               |

REASON FOR CHANGE:  
Prevent Protection Circuit from tripping into High Frequency low impedance loads.  
  
Continued on ECO supplement page \_\_\_\_\_

AFFECTED AREA:

Schematic  
 Artwork  
 Bill of Material 1/4/95  
GR  
 Comp. Control Form  
 Assembly Drawing  
 Test Procedure  
 Fab Drawing  
 Silkscreen  
 Punch Program

DESCRIPTION OF CHANGE:  
Solder cap, cer, axial, 104, 10%, 100V, XR7 across resistor R462.  
  
Continued on ECO supplement page \_\_\_\_\_

| TOTAL PARTS ADDED: 1 |                     |         |          | TOTAL PARTS DELETED: |             |     |          |
|----------------------|---------------------|---------|----------|----------------------|-------------|-----|----------|
| PART#                | DESCRIPTION         | QTY     | REF.DES. | PART#                | DESCRIPTION | QTY | REF.DES. |
| 030-4104-C           | CAP, CER AX 104 10% | 1 (102) |          |                      |             |     |          |
|                      | 100V, XR7           |         |          |                      |             |     |          |
|                      |                     |         |          |                      |             |     |          |
|                      |                     |         |          |                      |             |     |          |

DISTRIBUTION:  Engineering  Material  Production  Fabrication  Others: \_\_\_\_\_

# ENGINEERING CHANGE ORDER

MODEL: 2000RB/1000RE

Gallien Krueger  
2000RB/1000RE power amp board  
 206-0100-07. 302-0000-0. REV#

LEVEL:  System  
 Board  
 Fab

DATE: 4/5/96  
 ORIGINATOR: M. G. G.

|   |  |                 |             |        |
|---|--|-----------------|-------------|--------|
| <input checked="" type="checkbox"/> EFFECTIVE           | <input type="checkbox"/> PENDING   | APPROVAL        | INITIAL     | DATE   |
| <input checked="" type="checkbox"/> Next production Run | Pending/Reject Reason:   | Engineering     | <u>M.G.</u> | 4/5/96 |
| <input type="checkbox"/> All in Process                 |  | Material        |             |        |
| <input type="checkbox"/> All in Stock                   | Type of Change: <input type="checkbox"/> Necessary<br><input checked="" type="checkbox"/> Improvement<br><input type="checkbox"/> Other. | Production      |             |        |
| <input type="checkbox"/> All being Serviced             |  | Fabrication     |             |        |
| <input checked="" type="checkbox"/> Others:             |  | Marketing       |             |        |
| <u>50 boards in current run</u>                         |  | Cost accounting |             |        |

REASON FOR CHANGE:  
**Going to different fan- also results in components needing to be changed.**  
 Continued on ECO supplement page \_\_\_\_\_

AFFECTED AREA:

Schematic

Artwork

Bill of Material  
Main assy ✓ M.G.  
board ✓ M.G.

Comp. Control Form

Assembly Drawing

Test Procedure

Fab Drawing

Silkscreen

Punch Program

DESCRIPTION OF CHANGE:

- Change fan from Fonsan DF0824H to Adda AD0824HB-A70GL (on main assy.)
- On board: change R547D from 330 ohms to 220 ohms and R54 from 4.7 ohm, 1/4 W to 3.3 ohm 1/4W.

Continued on ECO supplement page \_\_\_\_\_

| TOTAL PARTS ADDED: <u>new</u> |                |     |          | TOTAL PARTS DELETED: <u>old</u> |                  |     |          |
|-------------------------------|----------------|-----|----------|---------------------------------|------------------|-----|----------|
| PART#                         | DESCRIPTION    | QTY | REF.DES. | PART#                           | DESCRIPTION      | QTY | REF.DES. |
| 086-0000-0                    | 24V Fan (Adda) | 1   | -        | 100-0088-0                      | 24V Fan (Fonsan) | 1   | -        |
| 051-0332-0                    | 3.3R, 1/4W res | 1   | R544     | 051-0470-0                      | 4.7R, 1/4W res   | 1   | R544     |
| 050-2701-0                    | 220R, 1/8W res | 1   | R547D    | 05-330-0                        | 330R, 1/8W res   | 1   | R547D    |

DISTRIBUTION:  Engineering  Material  Production  Fabrication  Others: \_\_\_\_\_











# ENGINEERING CHANGE ORDER

**ECO#:** 29

**GALLIEN TECHNOLOGY**  
2240 Paragon Dr., San Jose, CA 95131

Tel: (408) 441-8081  
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**MODEL:**  
1000/2000RB

**CUSTOMER:** Gallien Krueger  
**DESC.:** 1000/2000 RB Main Assy.  
**ASSY#'s:** 302-0000-0,-1000-0,-2000-0  
302-0010-0,-1010-0,-2010-0

**Level:**  System  
 Board  
 Fab

**DATE:** 9/5/96  
**ORIGINATOR:**  
M Johns  
**Checked by:**

**EFFECTIVE**  
 Next production Run  
 All in Process  
 All in Stock  
 All being serviced

**PENDING**  
**Pending/reject reason:**  
 Necessary change  
 Improvement

**RELATED ECO'S FOR:**  
 Raw Board:  
 Loaded Board:  
 Sheet Metal: ECO 28  
 Heatsink: ECO 24  
 Main Assy:

**REASON FOR CHANGE:**  
To give better heatsink support as described in ECO 24

Continued on ECO Supplement Page

| AFFECTED AREA:                                      | By: | Date:  |
|---|-----|--------|
| <input type="checkbox"/> Schematic                  |     |        |
| <input type="checkbox"/> Board Artwork              |     |        |
| <input type="checkbox"/> Board BOM                  |     |        |
| <input type="checkbox"/> Reference Des.             |     |        |
| <input checked="" type="checkbox"/> Main Asy BOM    | MJ  | 9/5/96 |
| <input checked="" type="checkbox"/> Comp cntrl frm. |     |        |
| <input checked="" type="checkbox"/> Assembly Dwg.   |     |        |
| <input type="checkbox"/> Test Procedure             |     |        |
| <input checked="" type="checkbox"/> Fab Drawing     | JB  |        |
| <input type="checkbox"/> Silkscreen                 |     |        |
| <input type="checkbox"/> Punch Program              |     |        |
| <input type="checkbox"/> Auto Insert Pgm            |     |        |

**DESCRIPTION OF CHANGE:**

- 1) Remove heatsink bracket from BOM.
- 2) Chasis parts change to allow for new 2" standoff insertion.
- 3) Bolt Rev B heatsink through the holes into the standoffs.

Continued on ECO Supplement Page

**DISTRIBUTION:**

Engineering  
 Purchasing  
 Main Assembly  
 P.C. Assy  
 Q.A.  
 Fabrication  
 Service Centers

**PAGE 1 OF 1**

Drawing(s) attached

| TOTAL PARTS ADDED: |                |      |                 |
|--------------------|----------------|------|-----------------|
| Part #:            | Description    | Qty. | Ref. Designator |
| <b>FOR 2000RB:</b> |                |      |                 |
| 111-6096-0         | 2" standoff    | 2    |                 |
| 111-0081-0         | 1/2",440 bolt  | 2    |                 |
| 132-0584-A         | new 2000rb chs | 1    |                 |
| 132-0028-B         | 2000RB htsink  | 2    |                 |
| <b>FOR 1000RB:</b> |                |      |                 |
| 111-6096-0         | 2" standoff    | 1    |                 |
| 111-0081-0         | 1/2",440 bolt  | 1    |                 |
| 132-0590-A         | new 1000rb chs | 1    |                 |
| 132-0028-B         | 2000RB htsink  | 1    |                 |

| TOTAL PARTS DELETED: |                |      |                 |
|----------------------|----------------|------|-----------------|
| Part #:              | Description    | Qty. | Ref. Designator |
| <b>FOR 2000RB:</b>   |                |      |                 |
| 132-0588-0           | 2000rb bracket | 2    |                 |
| 132-0584-0           | old 2000rb chs | 1    |                 |
| 132-0028-A           | 2000RB htsink  | 2    |                 |
| <b>FOR 1000RB:</b>   |                |      |                 |
| 132-0588-0           | 2000rb bracket | 1    |                 |
| 132-0590-0           | old 1000rb chs | 1    |                 |
| 132-0028-A           | 2000RB htsink  | 1    |                 |



# ENGINEERING CHANGE ORDER

ECO#: 31

GALLIEN TECHNOLOGY  
2240 Paragon Dr., San Jose, CA 95131

Tel: (408) 441-8081  
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MODEL:  
1000/2000RB

CUSTOMER: Gallien Krueger  
DESC.: 1000/2000 RB Preamp  
ASSY#'s: 206-0098-D, 206-0099-D  
Old Rev: \_\_\_\_\_  
New Rev: \_\_\_\_\_

Level:  System  
 Board  
 Fab  
 \_\_\_\_\_

DATE: 4/7/97  
ORIGINATOR:  
M Johns  
Checked by: \_\_\_\_\_

|   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> EFFECTIVE   | <input type="checkbox"/> PENDING   | <input checked="" type="checkbox"/> RELATED ECO'S FOR:  |
| <input checked="" type="checkbox"/> Next production Run<br><input checked="" type="checkbox"/> All in Process<br><input type="checkbox"/> All in Stock<br><input type="checkbox"/> All being serviced<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____ | Pending/reject reason:<br><br><input type="checkbox"/> Necessary change<br><input checked="" type="checkbox"/> Improvement<br><input type="checkbox"/> _____ | <input type="checkbox"/> Raw Board: _____<br><input type="checkbox"/> Loaded Board: _____<br><input type="checkbox"/> Sheet Metal: _____<br><input type="checkbox"/> Heatsink: _____<br><input type="checkbox"/> Main Assy: _____<br><input checked="" type="checkbox"/> Power amp bd ECO #32 |

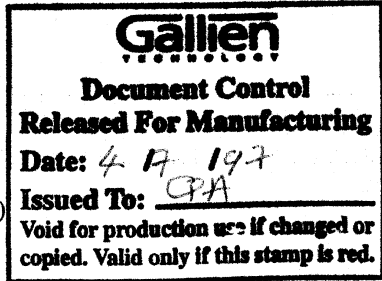
REASON FOR CHANGE:  
To make 2000RB sound more like the 800RB

Continued on ECO Supplement Page

| AFFECTED AREA:  | By: | Date:  |
|---|-----|--------|
| <input checked="" type="checkbox"/> Schematic<br><input type="checkbox"/> Board Artwork<br><input checked="" type="checkbox"/> Board BOM<br><input type="checkbox"/> Reference Des.<br><input type="checkbox"/> Main Asy BOM<br><input type="checkbox"/> Comp cntrl frm.<br><input type="checkbox"/> Assembly Dwg.<br><input type="checkbox"/> Test Procedure<br><input type="checkbox"/> Fab Drawing<br><input type="checkbox"/> Silkscreen<br><input type="checkbox"/> Punch Program<br><input checked="" type="checkbox"/> Auto Insert Pgm<br><input type="checkbox"/> _____ | mg  | 4/7/97 |

DESCRIPTION OF CHANGE:  
Change the following capacitor and resistor values:

1. C88 from 335 to 224
2. C97 from 106 to 335
3. C124 from 335 to 224
4. R128 from 2.2k to 47k
5. C153 from 335 to 224
6. C150 from 106 to 224
7. C175 from 106 to 224
8. C123 from 335 to 104
9. C186 from 336 to 225
10. C185 from 336 to 225 (2000RB only)



| DISTRIBUTION:   |  |
|---|--|
| <input checked="" type="checkbox"/> Engineering<br><input type="checkbox"/> Purchasing<br><input type="checkbox"/> Main Assembly<br><input checked="" type="checkbox"/> P.C. Assy<br><input checked="" type="checkbox"/> Q.A.<br><input type="checkbox"/> Fabrication<br><input type="checkbox"/> Service Centers<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____ |  |
| PAGE 1 OF 2   |  |
| <input checked="" type="checkbox"/> Drawing(s) attached (schem.)  |  |

| TOTAL PARTS ADDED: 10 |               |      |                          |
|-----------------------|---------------|------|--------------------------|
| Part #:               | Description   | Qty. | Ref. Designator          |
| 030-2224-0            | 224 cap       | 5    | C88,124,153,<br>C150,175 |
| 030-2104-0            | 104 cap       | 1    | C123                     |
| 038-2335-0            | 335 cap       | 1    | C97                      |
| 050-4703-0            | 47k res 1/8 W | 1    | R128                     |
| 038-0225-0            | 225 cap       | 1    | C186                     |
| 2000RB only:          |               |      |                          |
| 038-0225-0            | 225 cap       | 1    | C185                     |
|                       |               |      |                          |
|                       |               |      |                          |
|                       |               |      |                          |
|                       |               |      |                          |

| TOTAL PARTS DELETED: 10 |                |      |                 |
|-------------------------|----------------|------|-----------------|
| Part #:                 | Description    | Qty. | Ref. Designator |
| 038-2335-0              | 335 cap        | 4    | C88,124,153,123 |
| 038-0106-0              | 106 cap        | 3    | C97,150,175     |
| 050-2202-0              | 2.2k res 1/8 W | 1    | R128            |
| 038-0336-0              | 336 cap        | 1    | C186            |
| 2000RB only:            |                |      |                 |
| 038-0336-0              | 336 cap        | 1    | C185            |
|                         |                |      |                 |
|                         |                |      |                 |
|                         |                |      |                 |
|                         |                |      |                 |













6/29/99

**2000RB- INDENTED BILL OF MATERIALS****NOTE:**

Level 1 refers to main assembly parts.  
 Level 2 refers to board level parts.  
 Main assembly are in bold face, while commonly  
 needed parts are italicized.

| <b>LVL</b> | <b>PART#</b>      | <b>DESCRIPTION</b>                            | <b>QTY</b> | <b>REF. DESIG.</b> |
|------------|-------------------|---|------------|--------------------|
| 1          | 010-0003-0        | 2SC3502-F,NPN,200V,100MA,TO-126               | 6          |                    |
| 1          | 010-1003-0        | 2SA1380-F,PNP,200V,100MA,TO-126               | 2          |                    |
| 1          | 012-0002-0        | 2SC4793 NPN 200V 1.5A 2-10R1A                 | 5          | Q213               |
| 1          | 012-1002-0        | 2SA1837 PNP 200V 1.5A 2-10R1A                 | 5          | Q221               |
| 1          | 025-0101-0        | A LED,GRN,3MM,565NM,6MCD,10MA,40DEG           | 2          |                    |
| 1          | 051-0100-0        | RES,CARBON FILM,1 OHM,1/4W,5%                 | 8          |                    |
| 1          | <i>080-0015-A</i> | <i>TRANSFORMER 2000RB,115V/230V,2 FUSES</i>   | 1          |                    |
| 1          | 086-0000-0        | FAN, 24V DC, 160MA, 80X80MM, HIGH SPEED       | 1          |                    |
| 1          | <i>090-0000-0</i> | <i>SWITCH,ROCKER,DPST,16A/125V,QUICK-TERM</i> | 1          |                    |
| 1          | 090-0001-0        | A SWITCH,FOOT CHROME,SP-PP,6A,SLDR-TERM       | 2          |                    |
| 1          | 091-0031-0        | FUSE,1/4,30A,240V,FAST-ACT,UL/CSA             | 1          |                    |
| 1          | 092-0005-0        | A JACK SW-12B,1/4",O-TIP,O-RING,SLDR TERM     | 1          |                    |
| 1          | 092-0062-0        | FASTON,F,V,..250X.032X.160,14-16GA            | 18         |                    |
| 1          | 092-0064-0        | A FASTON,F,V,..250X.032X.135,18-22GA,RED      | 8          |                    |
| 1          | 093-0506-0        | HSG,.1X2,LOCKING,CRIMP 093-0909               | 1          |                    |
| 1          | 093-0909-0        | TERM,CRIMP,.,1,22GA,093-0509                  | 2          |                    |
| 1          | 093-1000-0        | HSG,2MMX2,26GA,IDC                            | 6          |                    |
| 1          | 093-1001-0        | HSG,2MMX3,26GA,IDC                            | 4          |                    |
| 1          | 094-0018-0        | LUG,#4,SOLDER,STANDARD                        | 1          |                    |
| 1          | <i>095-0011-0</i> | <i>CORD,IEC,3X14GA,15A,6',DOM</i>             | 1          |                    |
| 1          | 095-0302-0        | WIRE,18GA,RED,600V                            | 28         |                    |
| 1          | 095-0309-0        | WIRE,18GA,WHITE,600V                          | 28         |                    |
| 1          | 095-0500-0        | WIRE,14GA,BLACK,600V                          | 7          |                    |
| 1          | 095-0502-0        | WIRE,14GA,RED,600V                            | 7          |                    |
| 1          | 100-0004-0        | CLIP,TO-220 MOUNTING CLIP                     | 4          |                    |
| 1          | 100-0020-0        | A BUMPER,ROUND RUBBER,1/2"X.14"               | 5          |                    |
| 1          | 100-0026-0        | HANDLE,METAL,4",B.O.,OVAL                     | 2          |                    |
| 1          | 100-0033-0        | A CABLE TIE - PLT 1M-M,SMALL                  | 5          |                    |
| 1          | 100-0051-0        | INSULATOR,THERMALSIL,1.5" X 12",ADHESIVE      | 2          |                    |

| LVL | PART       | DESCRIPTION                              | QTY | REF. DESIG. |
|-----|------------|--|-----|-------------|
| 1   | 100-0076-0 | FOOT,RUBBER,ROUND,5/8DIA. X 5/8"         | 4   |             |
| 1   | 100-0083-0 | FAN,3.15"X1",24V                         | 1   |             |
| 1   | 100-0098-0 | KNOB,GRAY,6X15MM SPLINE SHAFT            | 16  |             |
| 1   | 100-0116-0 | SPACER,PLASTIC,.250 DIA X .625,#4,BLK    | 4   |             |
| 1   | 100-0126-0 | HOLDER,CABLE TIE .75" SQUARE,ADHESIVE BK | 2   |             |
| 1   | 105-0002-0 | INSULATOR TAPE,2.5"X7MIL,ADHESIVE BACK   | 1   |             |
| 1   | 111-0041-0 | BOLT,4-40,1/4,PHP,CAD                    | 8   |             |
| 1   | 111-0060-0 | BOLT,4-40,3/8,PHP,B.Z.                   | 4   |             |
| 1   | 111-0361-0 | BOLT,4-40,2 1/4,PHP,ZINC                 | 4   |             |
| 1   | 111-1040-2 | TR-BOLT,4-40,1/4,FHP,B.Z.                | 6   |             |
| 1   | 111-1080-0 | BOLT,4-40,1/2,FHP 82^,B.Z.               | 8   |             |
| 1   | 111-4060-0 | SCREW,4AB,3/8,FHP 82^,B.Z.               | 8   |             |
| 1   | 111-5040-0 | SCREW,#4,1/4,PLASTITE,PHP,B.Z.           | 1   |             |
| 1   | 111-6001-0 | NUT,4-40,KEP SMALL                       | 3   |             |
| 1   | 111-6011-0 | NUT,4-40,HEX SMALL,CAD                   | 2   |             |
| 1   | 111-6090-0 | STANDOFF,4-40,1 3/4",AMATOM              | 4   |             |
| 1   | 111-6096-0 | STANDOFF,4-40,2",AMATOM                  | 4   |             |
| 1   | 111-7011-0 | WASHER,#4,SPLIT                          | 50  |             |
| 1   | 111-8061-0 | TR-BOLT,4-40,3/8,PHP,CAD                 | 12  |             |
| 1   | 111-8081-0 | TR-BOLT,4-40,1/2,PHP,CAD                 | 24  |             |
| 1   | 112-7001-0 | WASHER,#6,FLAT,CAD                       | 4   |             |
| 1   | 112-8030-0 | TR-BOLT,6-32,3/16,PHP,B.Z.               | 4   |             |
| 1   | 112-8040-0 | TR-BOLT,6-32,1/4,PHP,B.Z.                | 8   |             |
| 1   | 112-8060-0 | TR-BOLT,6-32,3/8,PHP,B.Z.                | 4   |             |
| 1   | 112-9060-0 | TR-BOLT,6-32,3/8,FHP,B.Z.                | 6   |             |
| 1   | 114-1060-0 | BOLT,10-32,3/8,FHP 82^,B.Z.              | 4   |             |
| 1   | 115-3520-0 | BOLT,3/8-16,3 1/2,CARRIAGE,B.Z.          | 1   |             |
| 1   | 115-6002-0 | NUT,3/8-16,HEX,CAD                       | 1   |             |
| 1   | 115-7001-0 | WASHER,3/8,LOCK,CAD                      | 1   |             |
| 1   | 115-7002-0 | WASHER,5/16,LOCK,CAD                     | 1   |             |
| 1   | 115-7021-0 | WASHER,3/8,INT STAR,LARGE,ZINC           | 1   |             |
| 1   | 130-0077-0 | FLAT GASKET,BLK. NEO. 4.60               | 2   |             |
| 1   | 132-0003-0 | TOROID PLATE 4 3/8"                      | 1   |             |

| LVL      | PART#             | DESCRIPTION                            | QTY      | REF.       | DESIG. |
|----------|-------------------|--|----------|------------|--------|
| 2        | 120-0010-0        | STEEL,14 GA.074 EGC 48X120             | 30       |            |        |
| 1        | 132-0028-A        | 2000RB HEATSINK                        | 2        |            |        |
| 2        | 129-0028-0        | EXTRUSION,HEAT SINK 2000RB             | 2        |            |        |
| 1        | 132-0028-B        | 2000RB HEATSINK                        | 2        |            |        |
| 2        | 129-0028-0        | EXTRUSION,HEAT SINK 2000RB             | 2        |            |        |
| 1        | 132-0541-B        | RF2 FOOTSWITCH TOP, FOR 2000RB         | 1        |            |        |
| 2        | 120-0011-0        | STEEL,18 GA.048 EGC.48X120             | 45       |            |        |
| 1        | 132-0542-A        | RF2 FOOTSWITCH BOTTOM                  | 1        |            |        |
| 2        | 120-0011-0        | STEEL,18 GA.048 EGC.48X120             | 36       |            |        |
| 1        | 132-0581-A        | 2000RB,TOP COVER                       | 1        |            |        |
| 2        | 120-0011-0        | STEEL,18 GA.048 EGC.48X120             | 288      |            |        |
| 1        | 132-0582-A        | 2000RB,FAN TRAY                        | 1        |            |        |
| 2        | 120-0011-0        | STEEL,18 GA.048 EGC.48X120             | 262      |            |        |
| 1        | 132-0584-A        | 2000RB CHASSIS                         | 1        |            |        |
| 2        | 111-6035-0        | STUD,FH-440-6                          | 9        |            |        |
| 2        | 112-8040-0        | TR-BOLT,6-32,1/4,PHP,B.Z.              | 2        |            |        |
| 2        | 120-0010-0        | STEEL,14 GA.074 EGC 48X120             | 540      |            |        |
| 1        | 132-0585-0        | 2000RB MID PANEL                       | 1        |            |        |
| 2        | 111-6010-0        | STANDOFF,SO-440-10                     | 4        |            |        |
| 2        | 120-0008-0        | STEEL,16 GA.EGC. 48X120                | 64       |            |        |
| 1        | 132-0587-0        | 2000RB FRONT PANEL                     | 1        |            |        |
| 2        | 120-0020-0        | STEEL,.104 12 GAGE CRS 48X120          | 144      |            |        |
| 1        | 150-0023-0        | BAG,POLY 10 X 16 1 1/2 MILL            | 1        |            |        |
| 1        | 150-0087-0        | 2000RB CARTON                          | 1        |            |        |
| 1        | 150-0088-0        | 2000RB END CAP                         | 2        |            |        |
| 1        | 150-0089-0        | BAG POLY 24X30 3 MIL WITH VENT HOLES   | 1        |            |        |
| 1        | 153-0007-0        | LABEL,GK SERIAL NO.                    | 1        |            |        |
| 1        | 202-0027-0        | CBL,.1"RIB,2X13PIN,15" LONG,SKT TO SKT | 1        |            |        |
| 1        | 205-2001-0        | STEREO CORD,18 FEET,W/O BOX            | 1        |            |        |
| <b>1</b> | <b>206-0099-C</b> | <b>2000RB PREAMP- Rev.C</b>            | <b>1</b> |            |        |
| 2        | 001-0008-0        | MC4053                                 | 1        | U7         |        |
| 2        | 001-1030-0        | LF353N DUAL JFET OP AMP                | 5        | U2,3,4,5,6 |        |
| 2        | 001-1042-0        | RC5532NB BI-POLAR OP-AMP               | 2        | U8,9       |        |

| LVL. | PART#      | DESCRIPTION                          | QTY | REF. DESIG.   |
|------|------------|--------------------------------------|-----|---|
| 2    | 010-1013-0 | MPSA56 PNP 80V 500MA TO-92           | 1   | Q10   |
| 2    | 010-2010-0 | J113 N-JFET 35V 2MA TO-92            | 2   | Q162,170  |
| 2    | 010-2040-0 | J406 DUAL N-CH JFET 8PIN DIP         | 1   | U1  |
| 2    | 020-0120-0 | 1N759A,ZENER,12V,5%,400MW,DO-35      | 6   | D4,5,41,43,158,163                                      |
| 2    | 020-1103-0 | 1N914 ,RECT-FAST,75MA,100V,4NS,DO-35 | 9   | D22,38,47,62,85,87,94,105,118                           |
| 2    | 025-0101-0 | LED,GRN,3MM,565NM,6MCD,10MA,40DEG    | 2   | D32,157   |
| 2    | 025-0116-0 | LED,RED,3MM,635NM,6MCD,10MA,40 DEG   | 2   | D18,55  |
| 2    | 030-2100-0 | CAP,CER,AX,10 PF,10%,50V,NPO         | 2   | C42,80  |
| 2    | 030-2101-0 | CAP,CER,AX,101,10%,50V,NPO           | 1   | C8  |
| 2    | 030-2103-0 | CAP,CER,AX,103,10%,50V,X7R           | 4   | C36,63,112,114  |
| 2    | 030-2104-0 | CAP,CER,AX,104,10%,50V,X7R           | 2   | C103,113  |
| 2    | 030-2222-0 | CAP,CER,AX,222,10%,50V,X7R           | 5   | C51,53,91,93,100  |
| 2    | 030-2223-0 | CAP,CER AXIAL 223,10%,50V,X7R        | 2   | C126,142  |
| 2    | 030-2224-0 | CAP,CER AXIAL,224,20%,50V,Z5U        | 1   | C74   |
| 2    | 030-2270-0 | CAP,CER AXIAL,27 PF,10%,50V,NPO      | 1   | C73   |
| 2    | 030-2271-0 | CAP,CER AXIAL,271,10%,50V,NPO        | 3   | C84,181,188   |
| 2    | 030-2470-0 | CAP,CER AXIAL,47 PF,10%,50V,NPO      | 5   | C15,52,109,120,195                                      |
| 2    | 030-2474-0 | CAP,CER AXIAL,474,20%,50V,Z5U        | 2   | C57,76  |
| 2    | 030-2561-0 | CAP,CER AXIAL,561,10%,50V,X7R        | 1   | C78   |
| 2    | 031-1227-0 | CAP,ELEC,RAD,227,-10%+50%,25V        | 2   | C148,149  |
| 2    | 031-2107-0 | CAP,ELEC,RAD,107,-10%+50%,50V        | 2   | C20,21  |
| 2    | 032-3104-0 | CAP,PE,104,5%,63V                    | 1   | C3  |
| 2    | 038-0106-0 | CAP,ELEC,AXIAL TR,106,20%,16V        | 13  | C13,31,33,45,65,97,161,169,183,<br>184,150,175,71       |
| 2    | 038-0336-0 | CAP,ELEC,AXIAL TR,336,20%,25V        | 4   | C167,172,185,186  |
| 2    | 038-2335-0 | CAP,ELEC,AXIAL TR,335,50V            | 8   | C88,123,124,130,138,140,153,                            |
| 2    | 050-0000-0 | RES,METAL WIRE,0 OHM,1/8W            | 4   | C198,C199,R26,R27                                       |
| 2    | 050-1001-0 | RES,CARBON FILM,100 OHM,1/8W,5%      | 2   | R165,174  |
| 2    | 050-1002-0 | RES,CARBON FILM,1K OHM,1/8W,5%       | 6   | R29,66,70,152,166,173                                   |
| 2    | 050-1003-0 | RES,CARBON FILM,10K OHM,1/8W,5%      | 1   | R25   |
| 2    | 050-1004-0 | RES,CARBON FILM,100K OHM,1/8W,5%     | 7   | R14,121,122,132,141,147,196                             |
| 2    | 050-1005-0 | RES,CARBON FILM,1M OHM,1/8W,5%       | 1   | R6  |
| 2    | 050-1203-0 | RES,CARBON FILM,12K OHM,1/8W,5%      | 17  | R2,35,37,46,59,60,90,95,110,115,<br>125,143,144,154,159 |

| LVL. | PART#             | DESCRIPTION                              | QTY      | REF. DESIG.  |
|------|-------------------|--|----------|--|
| 2    | 050-1503-0        | RES,CARBON FILM,15K OHM,1/8W,5%          | 1        | R28  |
| 2    | 050-2202-0        | RES,CARBON FILM,2.2K OHM,1/8W,5%         | 11       | R12,17,34,58,64,119,128,129,131<br>139,146         |
| 2    | 050-2203-0        | RES,CARBON FILM,22K OHM,1/8W,5%          | 6        | R106,171,179,182,190,194                           |
| 2    | 050-2204-0        | RES,CARBON FILM,220K OHM,1/8W,5%         | 1        | R24  |
| 2    | 050-2205-0        | RES,CARBON FILM,2.2M OHM,1/8W,5%         | 3        | R39,54,61  |
| 2    | 050-3303-0        | RES,CARBON FILM,33K OHM,1/8W,5%          | 1        | R134   |
| 2    | 050-3304-0        | RES,CARBON FILM,330K OHM,1/8W,5%         | 3        | R49,72,75  |
| 2    | 050-3904-0        | RES,CARBON FILM,390K OHM,1/8W,5%         | 1        | R23  |
| 2    | 050-4701-0        | RES,CARBON FILM,470 OHM,1/8W,5%          | 1        | R7   |
| 2    | 050-4702-0        | RES,CARBON FILM,4.7K OHM,1/8W,5%         | 7        | R19,68,133,137,164,180,189                         |
| 2    | 050-4703-0        | RES,CARBON FILM,47K OHM,1/8W,5%          | 6        | R89,104,117,168,192,193                            |
| 2    | 050-4704-0        | RES,CARBON FILM,470K OHM,1/8W,5%         | 8        | R40,44,82,86,92,96,107,111                         |
| 2    | 050-5102-0        | RES,CARBON FILM,5.1K OHM,1/8W,5%         | 1        | R9   |
| 2    | 050-5602-0        | RES,CARBON FILM,5.6K OHM,1/8W,5%         | 9        | R67,77,99,101,102,108,135,155,<br>156              |
| 2    | 050-5603-0        | RES,CARBON FILM,56K OHM,1/8W,5%          | 2        | R50,56   |
| 2    | 050-8202-0        | RES,CARBON FILM,8.2K OHM,1/8W,5%         | 3        | R11,79,81  |
| 2    | 070-0513-0        | POT,50K-15A,9MM,KNURL,,1W                | 1        | R48-volume pot                                     |
| 2    | 070-0514-0        | POT,50KB,9MM,KNURL,,1W                   | 8        | R69,116,127,136,145,151,160,<br>176-all other pots |
| 2    | 070-0522-0        | POT,2KB,9MM,KNURL,,1W                    | 3        | R83,200,201-contour, master pots                   |
| 2    | 070-0523-0        | POT,2X50KB,9MM,KNURL,,.05                | 2        | R98,191-presence, aux level pots                   |
| 2    | 090-0012-0        | SWITCH,MINI PP,DPDT,,1A BRK/MAKE,PC TERM | 2        | S16,30   |
| 2    | 092-0081-0        | JACK,1/4",MONO,PC,NON GROUNDING          | 1        | J1-input   |
| 2    | 093-0106-0        | HDR,,1X2X13,VERT,MALE,GOLD               | 1        | P1   |
| 2    | 145-0099-C        | 2000RB PREAMP BRD                        | 1        |  |
| 2    | 153-0105-0        | LABEL,BLANK,,9"X.25"                     | 1        |  |
| 1    | <b>206-0099-D</b> | <b>2000RB PREAMP-Rev. D</b>              | <b>1</b> |  |
| 2    | 001-0008-0        | MC4053                                   | 1        | U7   |
| 2    | 001-1030-0        | LF353N DUAL JFET OP AMP                  | 5        | U2,3,4,5,6   |
| 2    | 001-1042-0        | RC5532NB BI-POLAR OP-AMP                 | 2        | U8,9   |
| 2    | 010-1013-0        | MPSA56 PNP 80V 500MA TO-92               | 1        | Q10  |
| 2    | 010-2010-0        | J113 N-JFET 35V 2MA TO-92                | 2        | Q162,170   |

| LVL. | PART#      | DESCRIPTION                             | QTY | REF. DESIG.  |
|------|------------|---|-----|--|
| 2    | 010-2040-0 | J406 DUAL N-CH JFET 8PIN DIP            | 1   | U1   |
| 2    | 020-0120-0 | 1N759A,ZENER,12V,5%,400MW,DO-35         | 6   | D4,5,41,43,158,163   |
| 2    | 020-1103-0 | 1N914 ,RECT-FAST,75MA,100V,4NS,DO-35    | 9   | D22,38,47,62,85,87,94,105,118                                    |
| 2    | 025-0101-0 | LED,GRN,3MM,565NM,6MCD,10MA,40DEG       | 2   | D32,157  |
| 2    | 025-0116-0 | LED,RED,3MM,635NM,6MCD,10MA,40 DEG      | 2   | D18,55   |
| 2    | 030-2100-0 | CAP,CER,AX,10 PF,10%,50V,NPO            | 3   | C42,80,96A   |
| 2    | 030-2101-0 | CAP,CER,AX,101,10%,50V,NPO              | 1   | C8   |
| 2    | 030-2103-0 | CAP,CER,AX,103,10%,50V,X7R              | 4   | C36,63,112,114   |
| 2    | 030-2104-0 | CAP,CER,AX,104,10%,50V,X7R              | 3   | C103,113,123   |
| 2    | 030-2222-0 | CAP,CER,AX,222,10%,50V,X7R              | 5   | C51,53,91,93,100   |
| 2    | 030-2223-0 | CAP,CER AXIAL 223,10%,50V,X7R           | 2   | C126,142   |
| 2    | 030-2224-0 | CAP,CER AXIAL,224,20%,50V,Z5U           | 6   | C74,88,124,153,150,175   |
| 2    | 030-2270-0 | CAP,CER AXIAL,27 PF,10%,50V,NPO         | 1   | C73  |
| 2    | 030-2271-0 | CAP,CER AXIAL,271,10%,50V,NPO           | 3   | C84,181,188  |
| 2    | 030-2470-0 | CAP,CER AXIAL,47 PF,10%,50V,NPO         | 5   | C15,52,109,120,195   |
| 2    | 030-2474-0 | CAP,CER AXIAL,474,20%,50V,Z5U           | 2   | C57,76   |
| 2    | 030-2561-0 | CAP,CER AXIAL,561,10%,50V,X7R           | 1   | C78  |
| 2    | 031-0107-0 | CAP,ELEC,RAD,107,+/-20%,16V,LOW LEAKAGE | 1   | REF: ECO # 40  |
| 2    | 031-1227-0 | CAP,ELEC,RAD,227,-10%+50%,25V           | 2   | C148,149   |
| 2    | 031-2107-0 | CAP,ELEC,RAD,107,-10%+50%,50V           | 2   | C20,21   |
| 2    | 032-3104-0 | CAP,PE,104,5%,63V                       | 1   | C3   |
| 2    | 038-0106-0 | CAP,ELEC,AXIAL TR,106,20%,16V           | 10  | C13,31,33,45,65,161,169,183,<br>184,71                           |
| 2    | 038-0225-0 | CAP,ELEC AXIAL TR,225,20%,16V           | 2   | C185,186   |
| 2    | 038-0336-0 | CAP,ELEC,AXIAL TR,336,20%,25V           | 2   | C167,172   |
| 2    | 038-2335-0 | CAP,ELEC,AXIAL TR,335,50V               | 5   | C130,138,140,197   |
| 2    | 050-1001-0 | RES,CARBON FILM,100 OHM,1/8W,5%         | 2   | R165,174   |
| 2    | 050-1002-0 | RES,CARBON FILM,1K OHM,1/8W,5%          | 6   | R29,66,70,152,166,173  |
| 2    | 050-1003-0 | RES,CARBON FILM,10K OHM,1/8W,5%         | 1   | R25  |
| 2    | 050-1004-0 | RES,CARBON FILM,100K OHM,1/8W,5%        | 7   | R14,121,122,132,141,147,196                                      |
| 2    | 050-1005-0 | RES,CARBON FILM,1M OHM,1/8W,5%          | 1   | R6   |
| 2    | 050-1203-0 | RES,CARBON FILM,12K OHM,1/8W,5%         | 17  | R2,35,37,46,59,60,90,95,110,115,<br>125,143,144,154,159,177,187, |
| 2    | 050-1503-0 | RES,CARBON FILM,15K OHM,1/8W,5%         | 1   | R28  |

| LVL. | PART#             | DESCRIPTION                              | QTY      | REF.  | DESIG. |
|------|-------------------|--|----------|---|--------|
| 2    | 050-2202-0        | RES,CARBON FILM,2.2K OHM,1/8W,5%         | 10       | R12,17,34,58,64,119,129,131,139,146             |        |
| 2    | 050-2203-0        | RES,CARBON FILM,22K OHM,1/8W,5%          | 6        | R106,171,179,182,190,194                        |        |
| 2    | 050-2204-0        | RES,CARBON FILM,220K OHM,1/8W,5%         | 1        | R24   |        |
| 2    | 050-2205-0        | RES,CARBON FILM,2.2M OHM,1/8W,5%         | 3        | R39,54,61                                       |        |
| 2    | 050-3303-0        | RES,CARBON FILM,33K OHM,1/8W,5%          | 1        | R134  |        |
| 2    | 050-3304-0        | RES,CARBON FILM,330K OHM,1/8W,5%         | 3        | R49,72,75                                       |        |
| 2    | 050-3904-0        | RES,CARBON FILM,390K OHM,1/8W,5%         | 1        | R23   |        |
| 2    | 050-4701-0        | RES,CARBON FILM,470 OHM,1/8W,5%          | 4        | R7,26,27  |        |
| 2    | 050-4702-0        | RES,CARBON FILM,4.7K OHM,1/8W,5%         | 7        | R19,68,133,137,164,180,189                      |        |
| 2    | 050-4703-0        | RES,CARBON FILM,47K OHM,1/8W,5%          | 7        | R89,104,117,168,192,193,128                     |        |
| 2    | 050-4704-0        | RES,CARBON FILM,470K OHM,1/8W,5%         | 8        | R40,44,82,86,92,96,107,111                      |        |
| 2    | 050-5102-0        | RES,CARBON FILM,5.1K OHM,1/8W,5%         | 1        | R9  |        |
| 2    | 050-5602-0        | RES,CARBON FILM,5.6K OHM,1/8W,5%         | 9        | R67,77,99,101,102,108,135,155,156               |        |
| 2    | 050-5603-0        | RES,CARBON FILM,56K OHM,1/8W,5%          | 2        | R50,56  |        |
| 2    | 050-8202-0        | RES,CARBON FILM,8.2K OHM,1/8W,5%         | 3        | R11,79,81                                       |        |
| 2    | 070-1513-0        | POT,50K-15A,7MM,KNURL,.1W                | 1        | R48-volume pot                                  |        |
| 2    | 070-1514-0        | POT,50KB,7MM,KNURL,.1W                   | 8        | R69,116,127,136,145,151,160,176- all other pots |        |
| 2    | 070-1522-0        | POT,2KB,7MM,KNURL,.1W                    | 3        | R83,200,201-contour, master pots                |        |
| 2    | 070-1523-0        | POT,2X50KB,7MM,KNURL,.1W                 | 2        | R98,191-presence, aux level pots                |        |
| 2    | 090-0012-0        | SWITCH,MINI PP,DPDT,.1A BRK/MAKE,PC TERM | 2        | S16,30  |        |
| 2    | 092-0081-0        | JACK,1/4",MONO,PC,NON GROUNDING          | 1        | J1- input                                       |        |
| 2    | 093-0106-0        | HDR,.1X2X13,VERT,MALE,GOLD               | 1        | P1  |        |
| 2    | 145-0099-D        | 2000RB PREAMP BRD                        | 1        |   |        |
| 2    | 153-0105-0        | LABEL,BLANK,.9"X.25"                     | 1        |   |        |
| 1    | <b>206-0100-C</b> | <b>2000/1000RB POWER AMP</b>             | <b>2</b> |   |        |
| 2    | 010-0000-0        | 2SC3381BL,NPNX2,80V,100MA,2-10M1B        | 2        | Q484  |        |
| 2    | 010-0001-0        | 2SC3478,NPN,180V,100MA                   | 2        | Q445  |        |
| 2    | 010-0012-0        | MPSA06 NPN 80V 500MA TO-92               | 14       | Q435,450,486,489,492,514,515                    |        |
| 2    | 010-1001-0        | 2SA1349BL,PNPX2,80V,100MA,2-10M1B        | 2        | Q485  |        |
| 2    | 010-1013-0        | MPSA56 PNP 80V 500MA TO-92               | 16       | Q431,444,487,488,490,491,513,547A               |        |
| 2    | 012-0003-0        | 2SC5242,NPN,230V,15A,2-16C1A             | 12       | Q560,561,569,571,581,583                        |        |



| LVL. | PART#      | DESCRIPTION                            | QTY | REF. DESIG.              |
|------|------------|--|-----|--------------------------|
| 2    | 012-1003-0 | 2SA1962,PNP,230V,15A,2-16C1A           | 12  | Q564,565,574,577,586,589 |
| 2    | 020-0007-0 | 1N4733,ZENER,5V,10%,1W,DO-35           | 4   | D519,530                 |
| 2    | 020-0036-0 | 1N747A,ZENER,3.6V,5%,400MW,DO-35       | 4   | D522,527                 |
| 2    | 020-0050-0 | 1N751,ZENER,5V,10%,400MW,DO-35         | 2   | D451                     |
| 2    | 020-1000-0 | 1N4148 ,RECT-FAST,200MA,100V,4NS,DO-35 | 36  |                          |
| 2    | 020-1120-0 | MUR120,RECT-FAST,1A,200V,25NS,59-04    | 4   | D518,531                 |
| 2    | 020-1122-0 | MUR410,RECT-FAST,4A,100V               | 12  | D570,575,582,587,593,594 |
| 2    | 020-2106-0 | 1N4004,RECT,1A,150V,DO-41              | 8   | D416A,447,463,464        |
| 2    | 022-0042-0 | THERMISTOR,PTC,50DEG C                 | 2   | TR551                    |
| 2    | 023-0110-0 | BRIDGE,25A,200V,HORZ,PC,KBPC25-02W     | 4   | B423,424                 |
| 2    | 025-0024-0 | LED,AMBER,T1,580NM                     | 2   | D602                     |
| 2    | 025-0117-0 | LED,RED,3MM,660NM,45MCD,20MA,20DEG     | 2   | D601                     |
| 2    | 025-0120-0 | LED,GRN,3MM,555NM,12MCD,20MA,20DEG     | 2   | D603                     |
| 2    | 030-2102-0 | CAP,CER,AX,102,10%,50V,X7R             | 4   | C403,404                 |
| 2    | 030-2104-0 | CAP,CER,AX,104,10%,50V,X7R             | 2   |                          |
| 2    | 030-2271-0 | CAP,CER AXIAL,271,10%,50V,NPO          | 2   | C465                     |
| 2    | 030-2472-0 | CAP,CER AXIAL,472,10%,50V,X7R          | 6   | C457,552,559             |
| 2    | 031-0477-0 | CAP,ELEC,RAD,477,20%,10V               | 2   | REF: ECO #39             |
| 2    | 031-1336-0 | CAP,ELEC,RAD,336,-10%+50%,25V          | 2   | C497                     |
| 2    | 031-2107-0 | CAP,ELEC,RAD,107,-10%+50%,50V          | 10  | C434A,495,496,512,516    |
| 2    | 031-2159-0 | CAP,ELEC,RAD,159,20%,50V               | 8   | C426,427,429,430         |
| 2    | 031-2226-0 | CAP,ELEC,RAD,226,-10%+10%,25V          | 2   | C448                     |
| 2    | 032-4102-0 | CAP,PE,102,10%,100V                    | 4   | C499,507                 |
| 2    | 032-4104-0 | CAP,PE,104,10%,100V                    | 2   | C409                     |
| 2    | 035-8100-0 | CAP,MICA,10PF,5%,500V                  | 2   | C471                     |
| 2    | 035-8131-0 | CAP,MICA,130PF,5%,500V                 | 4   | C509,510                 |
| 2    | 038-0106-0 | CAP,ELEC,AXIAL TR,106,20%,16V          | 4   | C452,523                 |
| 2    | 038-0107-0 | CAP,ELEC AX TR,107,20%,6.3V,5X11MM     | 4   | C455,456                 |
| 2    | 050-0000-0 | RES,METAL WIRE,0 OHM,1/8W              | 2   | R474                     |
| 2    | 050-0101-0 | RES,CF,10,1/8W,5%                      | 8   | R482,483,532,533         |
| 2    | 050-1004-0 | RES,CARBON FILM,100K OHM,1/8W,5%       | 6   | R453,460,481             |
| 2    | 050-1203-0 | RES,CARBON FILM,12K OHM,1/8W,5%        | 6   | R432,454,458             |
| 2    | 050-1501-0 | RES,CARBON FILM,150 OHM,1/8W,5%        | 2   | R502                     |

| LVL. | PART#      | DESCRIPTION                       | QTY | REF. DESIG.                                  |
|------|------------|-----------------------------------|-----|--|
| 2    | 050-1504-0 | RES,CARBON FILM,150K OHM,1/8W,5%  | 2   | R436   |
| 2    | 050-2201-0 | RES,CARBON FILM,220 OHM,1/8W,5%   | 2   |  |
| 0.2  | 050-2203-0 | RES,CARBON FILM,22K OHM,1/8W,5%   | 6   | R434,442,542                                 |
| 2    | 050-2204-0 | RES,CARBON FILM,220K OHM,1/8W,5%  | 4   | R433,449                                     |
| 2    | 050-3301-0 | RES,CARBON FILM,330 OHM,1/8W,5%   | 2   | R547D,462                                    |
| 2    | 050-3302-0 | RES,CARBON FILM,3.3K OHM,1/8W,5%  | 2   |  |
| 2    | 050-4703-0 | RES,CARBON FILM,47K OHM,1/8W,5%   | 2   | R441   |
| 2    | 050-8202-0 | RES,CARBON FILM,8.2K OHM,1/8W,5%  | 2   | R466   |
| 2    | 051-0330-0 | RES,CARBON FILM,3.3 OHM,1/4W,5%   | 2   | R544   |
| 2    | 052-0100-0 | RES,METAL FILM,1.00 OHM,1/4W,1%   | 4   | R517,529                                     |
| 2    | 054-1501-0 | RES,CARBON FILM,150 OHM,1W,5%     | 2   | R446   |
| 2    | 054-2702-0 | RES,CARBON FILM,2.7K OHM,1W,5%    | 8   | R596,597,599,600                             |
| 2    | 055-.100-0 | RES,WW,,1 OHM,2W,5%               | 12  | R562,563,572,573,584,585                     |
| 2    | 055-0101-0 | RES,METAL OXIDE,10 OHM,2W,5%      | 4   | R410,411                                     |
| 2    | 056-0100-0 | RES,WIRE WOUND,1.0 OHM,5W,10%     | 2   | R412   |
| 2    | 060-1002-0 | RES,METAL FILM,1.00K,1/8W,1%      | 14  | R461,467,498,520,525,528<br>REF: + ECO # 39  |
| 2    | 060-1003-0 | RES,METAL FILM,10.0K OHM,1/8W,1%  | 4   | R508,511                                     |
| 2    | 060-1213-0 | RES,METAL FILM,12.1 K OHM,1/8W,1% | 2   | R469   |
| 2    | 060-2200-0 | RES,METAL FILM,22.0 OHM,1/8W,1%   | 8   | R467,468,472,473                             |
| 2    | 060-2371-0 | RES,METAL FILM,237 OHM,1/8W,1%    | 8   | R475,477,493,494                             |
| 2    | 060-3323-0 | RES,METAL FILM,33.2K OHM,1/8W,1%  | 4   | R459,470                                     |
| 2    | 060-4530-0 | RES,METAL FILM,45.3 OHM,1/8W,1%   | 10  | R500,503,506,521,526                         |
| 2    | 060-4701-0 | RES,METAL FILM,470 OHM,1/8W,1%    | 20  | R478,501,505,566,567,578,579,<br>590,591,598 |
| 2    | 060-6340-0 | RES,METAL FILM,63.4 OHM,1/8W,1%   | 2   | R504   |
| 2    | 060-6652-0 | RES,METAL FILM,6.65K OHM,1/8W,1%  | 2   | R537   |
| 2    | 070-0520-0 | POT,500 OHM TRIM,VERT             | 2   | R524   |
| 2    | 081-0055-0 | INDUCTOR,2UH,20A,AIR CORE         | 2   | L405   |
| 2    | 090-0011-0 | RELAY,SPDT,20 AMP,24V INPUT       | 2   | S408   |
| 2    | 091-0020-0 | FUSE,5MM,15A,125V,FAST            | 8   | F416,418,420,422                             |
| 2    | 091-1001-0 | THRM BRKR 85C +/-5,0-DIFF,PC      | 2   | TB540  |
| 2    | 092-0010-0 | FASTON,M,PC,..25"                 | 16  | P413,414,415,417,419,421,425,<br>428         |

| LVL.     | PART#             | DESCRIPTION                            | QTY      | REF. DESIG.                          |
|----------|-------------------|--|----------|--------------------------------------|
| 2        | 092-0070-0        | JACK,SPEAKON,PC MOUNT, NEUTRIK NL4MD-H | 4        | J406,407                             |
| 2        | 092-0082-0        | JACK,1/4",MONO,PC,GROUNDING            | 4        | J401,402                             |
| 2        | 093-0025-0        | HDR,.1X2,VERT,MALE,LOCK,GOLD           | 4        | P541,547                             |
| 2        | 093-0043-0        | HDR,2MMX3,VERT,MALE LOCK               | 2        | P2(4)                                |
| 2        | 093-0051-0        | HDR,2MMX2,VERT,MALE,LOCK               | 4        | P3(5),550                            |
| 2        | 094-0004-0        | FUSE CLIP,5MM, P.C. MOUNT              | 16       |                                      |
| 2        | 100-0105-0        | SPACER NYLON, .187" #4                 | 26       |                                      |
| 2        | 111-6030-0        | STANDOFF,SO-440-6                      | 16       |                                      |
| 2        | 145-0100-C        | 2000RB POWER AMP BRD                   | 2        |                                      |
| 2        | 153-0105-0        | LABEL,BLANK,.9"X.25"                   | 2        |                                      |
| <b>1</b> | <b>206-0101-B</b> | <b>2000RB I/O BOARD</b>                | <b>1</b> |                                      |
| 2        | 001-1030-0        | LF353N DUAL JFET OP AMP                | 3        | U202,203,204                         |
| 2        | 001-1042-0        | RC5532NB BI-POLAR OP-AMP               | 1        | U201                                 |
| 2        | 020-1103-0        | 1N914 ,RECT-FAST,75MA,100V,4NS,DO-35   | 8        | D211,212,219,220,225,226,227,<br>228 |
| 2        | 020-5352-0        | 1N5352,ZENER,15V,5%,5W,17-02           | 2        | D214,215                             |
| 2        | 022-0082-0        | THERMISTOR SG100                       | 1        | TH287                                |
| 2        | 030-2472-0        | CAP,CER AXIAL,472,10%,50V,X7R          | 2        | C259,274                             |
| 2        | 030-2474-0        | CAP,CER AXIAL,474,20%,50V,Z5U          | 1        | C235                                 |
| 2        | 031-1227-0        | CAP,ELEC,RAD,227,-10%+50%,25V          | 4        | C210,217,224,231                     |
| 2        | 031-2106-0        | CAP,ELEC,RAD,106,-10%+50%,50V          | 2        | C229,230                             |
| 2        | 038-0106-0        | CAP,ELEC,AXIAL TR,106,20%,16V          | 2        | C261,267                             |
| 2        | 038-2335-0        | CAP,ELEC,AXIAL TR,335,50V              | 5        | C238,240,264,269,271                 |
| 2        | 039-7102-0        | CAP,MET PAPER Y-CAP,102,20%,250V       | 2        | C288,289                             |
| 2        | 039-7474-0        | CAP,MET PAPER X-CAP,474,20%,250V       | 1        | C277                                 |
| 2        | 050-1002-0        | RES,CARBON FILM,1K OHM,1/8W,5%         | 4        | R262,270,208,209                     |
| 2        | 050-1004-0        | RES,CARBON FILM,100K OHM,1/8W,5%       | 3        | R260,268,272                         |
| 2        | 050-2202-0        | RES,CARBON FILM,2.2K OHM,1/8W,5%       | 1        | R234                                 |
| 2        | 050-2203-0        | RES,CARBON FILM,22K OHM,1/8W,5%        | 4        | R250,251,253,254                     |
| 2        | 050-3303-0        | RES,CARBON FILM,33K OHM,1/8W,5%        | 2        | R255,273                             |
| 2        | 050-4302-0        | RES,CARBON FILM,4.3K OHM,1/8W,5%       | 2        | R216,222                             |
| 2        | 050-4702-0        | RES,CARBON FILM,4.7K OHM,1/8W,5%       | 2        | R257,258                             |
| 2        | 053-0180-0        | RES,CARBON FILM,1.8 OHM,1/2W,5%        | 2        | R218,223                             |

| LVL.     | PART#             | DESCRIPTION                              | QTY      | REF. DESIG.  |
|----------|-------------------|--|----------|--|
| 2        | 060-1203-0        | RES,METAL FILM,12.0K OHM,1/8W,1%         | 4        | R243,246,232,233                                       |
| 2        | 060-4701-0        | RES,METAL FILM,470 OHM,1/8W,1%           | 2        | R242,244   |
| 2        | 070-0523-0        | POT,2X50KB,9MM,KNURL,.05                 | 1        | R252   |
| 2        | 070-0525-0        | POT,2X50KA,9MM,KNURL,.1W                 | 1        | R245   |
| 2        | 090-0012-0        | SWITCH,MINI PP,DPDT,.1A BRK/MAKE,PC TERM | 2        | S241,247   |
| 2        | 090-0033-0        | SWITCH,SLIDE,DPDT,90% MOUNT,P.C. TERM    | 2        | S236,256   |
| 2        | 092-0001-0        | CON,IECX3,10A,250V,PC TERM               | 1        | J290   |
| 2        | 092-0010-0        | FASTON,M,PC,.25"                         | 10       | P278,279,280,281,282,283,284,<br>285,286,291           |
| 2        | 092-0080-0        | JACK,1/4",STEREO,PC,GROUNDING            | 2        | J275,276   |
| 2        | 092-0082-0        | JACK,1/4",MONO,PC,GROUNDING              | 5        | J237,248,249,263,265                                   |
| 2        | 092-0084-0        | CON,XLR,MALE,PC,PL,SCREW MNT             | 1        | J239   |
| 2        | 093-0043-0        | HDR,2MMX3,VERT,MALE LOCK                 | 2        | P2,3   |
| 2        | 093-0051-0        | HDR,2MMX2,VERT,MALE,LOCK                 | 2        | P4,5   |
| 2        | 093-0106-0        | HDR,.1X2X13,VERT,MALE,GOLD               | 1        | P1   |
| 2        | 094-0004-0        | FUSE CLIP,5MM, P.C. MOUNT                | 2        |  |
| 2        | 094-0015-0        | FUSE CLIP,PC MOUNT,.250,15A              | 2        | P292,297   |
| 2        | 145-0101-B        | 2000 RB IN/OUT / AC-REC BOARD            | 1        |  |
| <b>1</b> | <b>206-0101-C</b> | <b>2000RB I/O BOARD</b>                  | <b>1</b> |  |
| 2        | 001-1030-0        | LF353N DUAL JFET OP AMP                  | 3        | U202,203,204   |
| 2        | 001-1042-0        | RC5532NB BI-POLAR OP-AMP                 | 1        | U201   |
| 2        | 020-1103-0        | 1N914 ,RECT-FAST,75MA,100V,4NS,DO-35     | 8        | D211,212,219,220,225,226,227,<br>228                   |
| 2        | 020-5352-0        | 1N5352,ZENER,15V,5%,5W,17-02             | 2        | D214,215   |
| 0.2      | 022-0003-0        | THERMISTOR,NTC,.5 OHM,16A,CL100          | 1        | TH287  |
| 0.2      | 030-2271-0        | CAP,CER AXIAL,271,10%,50V,NPO            | 10       | C237A,248A,249A,263A,265A,<br>275A,275B,276A,276B,276C |
| 0.2      | 030-2472-0        | CAP,CER AXIAL,472,10%,50V,X7R            | 2        | C259,274   |
| 0.2      | 030-2474-0        | CAP,CER AXIAL,474,20%,50V,Z5U            | 1        | C235   |
| 2        | 031-1227-0        | CAP,ELEC,RAD,227,-10%+50%,25V            | 4        | C210,217,224,231                                       |
| 2        | 031-2106-0        | CAP,ELEC,RAD,106,-10%+50%,50V            | 2        | C229,230   |
| 2        | 031-2107-0        | CAP,ELEC,RAD,107,-10%+50%,50V            | 2        | REF: ECO # 41  |
| 2        | 034-7103-0        | CAP,CERAMIC DISK,103,10%,X-250V          | 1        |  |
| 2        | 038-0106-0        | CAP,ELEC,AXIAL TR,106,20%,16V            | 2        | C261,267   |

| LVL. | PART#       | DESCRIPTION                              | QTY | REF. DESIG.                              |
|------|-------------|--|-----|--|
| 2    | 038-2335-0  | CAP,ELEC,AXIAL TR,335,50V                | 5   | C238,240,264,269,271                     |
| 2    | 039-7102-0  | CAP,MET PAPER Y-CAP,102,20%,250V         | 2   | C288,289                                 |
| 2    | 050-1002-0  | RES,CARBON FILM,1K OHM,1/8W,5%           | 2   | R262,270                                 |
| 2    | 050-1004-0  | RES,CARBON FILM,100K OHM,1/8W,5%         | 3   | R260,268,272                             |
| 2    | 050-2202-0  | RES,CARBON FILM,2.2K OHM,1/8W,5%         | 1   | R234                                     |
| 2    | 050-2203-0  | RES,CARBON FILM,22K OHM,1/8W,5%          | 4   | R250,251,253,254                         |
| 2    | 050-3303-0  | RES,CARBON FILM,33K OHM,1/8W,5%          | 2   | R255,273                                 |
| 2    | 050-4302-0  | RES,CARBON FILM,4.3K OHM,1/8W,5%         | 2   | R216,222                                 |
| 2    | 050-4701-0  | RES,CARBON FILM,470 OHM,1/8W,5%          | 2   | R208,209                                 |
| 2    | 050-4702-0  | RES,CARBON FILM,4.7K OHM,1/8W,5%         | 2   | R257,258                                 |
| 2    | 053-0180-0  | RES,CARBON FILM,1.8 OHM,1/2W,5%          | 2   | R218,223                                 |
| 2    | 060-1213-0  | RES,METAL FILM,12.1 K OHM,1/8W,1%        | 4   | R232,233,243,246                         |
| 2    | 060-4701-0  | RES,METAL FILM,470 OHM,1/8W,1%           | 2   | R242,244                                 |
| 2    | 070-0523-0  | POT,2X50KB,9MM,KNURL,.05                 | 1   | R252                                     |
| 2    | 070-0525-0  | POT,2X50KA,9MM,KNURL,.1W                 | 1   | R245                                     |
| 2    | 090-0012-0  | SWITCH,MINI PP,DPDT,.1A BRK/MAKE,PC TERM | 2   | S241,247                                 |
| 2    | 090-0033-0  | SWITCH,SLIDE,DPDT,90% MOUNT,P.C. TERM    | 2   | S236,256                                 |
| 2    | 092-0001-0  | CON,IECX3,10A,250V,PC TERM               | 1   | J290                                     |
| 2    | 092-0010-0  | FASTON,M,PC,-.25"                        | 10  | P278,279,280,281,282,283,284,285,286,291 |
| 2    | 092-0079-0  | JACK,1/4" STEREO,PC,NON GRNDING          | 2   | J275,276                                 |
| 2    | 092-0081-0  | JACK,1/4",MONO,PC,NON GROUNDING          | 5   | J237,248,249,263,265                     |
| 2    | 092-0084-0  | C0N,XLR,MALE,PC,PL,SCREW MNT             | 1   | J239                                     |
| 2    | 093-0043-0  | HDR,2MMX3,VERT,MALE LOCK                 | 2   | P2,3                                     |
| 2    | 093-0051-0  | HDR,2MMX2,VERT,MALE,LOCK                 | 2   | P4,5                                     |
| 2    | 093-0106-0  | HDR,.1X2X13,VERT,MALE,GOLD               | 1   | P1                                       |
| 2    | 094-0004-0  | FUSE CLIP,5MM, P.C. MOUNT                | 2   |  |
| 2    | 094-0015-0  | FUSE CLIP,PC MOUNT,.250,15A              | 2   | P292,297                                 |
| 2    | 145-0101-C  | 2000 RB IN/OUT / AC-REC BOARD            | 1   |  |
| 2    | 153-0105-0  | LABEL,BLANK,.9"X.25"                     | 1   |  |
| 1    | 304-0006-0  | SPEAKON TO 1/4" BRIDGE CABLE             | 1   |  |
| 1    | 602-0007-0  | GK WARRANTY CARD                         | 1   |  |
| 1    | GK160-0000- | GK SAFETY SHEET                          | 1   |  |