



# ***SERVICE MANUAL***

TYPE: YS1035

## ***xs800h***

WEB ACCESS: <http://www.yorkville.com>

### **WORLD HEADQUARTERS CANADA**

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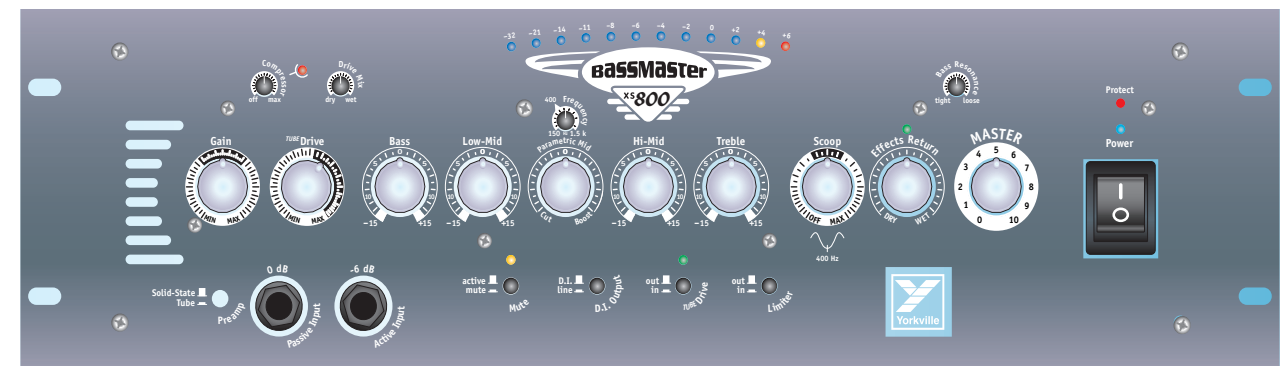
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## IMPORTANT SAFETY INSTRUCTIONS



### INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

### INSTRUCTIONS RELATIVES AU RISQUE DE FEU, CHOC ÉLECTRIQUE, OU BLESSURES AUX PERSONNES

#### **CAUTION:**

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).

*NO USER SERVICEABLE PARTS INSIDE.*

**REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

#### **AVIS:**

AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE PANNEAU ARRIERE)

*NE CONTIENT AUCUNE PIECE REPARABLE PAR L'UTILISATEUR.*

**CONSULTEZ UN TECHNICIEN QUALIFIE POUR L'ENTRETIEN**

#### **Read Instructions**

The Owner's Manual should be read and understood before operation of your unit. Please, save these instructions for future reference.

#### **Packaging**

Keep the box and packaging materials, in case the unit needs to be returned for service.

#### **Warning**

When using electric products, basic precautions should always be followed, including the following:

##### **Power Sources**

Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated.

##### **Hazards**

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

##### **Power Cord**

The AC supply cord should be routed so that it is unlikely that it will be damaged. If the AC supply cord is damaged DO NOT OPERATE THE UNIT.

##### **Service**

The unit should be serviced only by qualified service personnel.

#### **Veillez Lire le Manuel**

Il contient des informations qui devraient être comprises avant l'opération de votre appareil. Conservez S.V.P. ces instructions pour consultations ultérieures.

#### **Emballage**

Conservez la boîte au cas où l'appareil devait être retourner pour réparation.

#### **Attention:**

Lors de l'utilisation de produits électrique, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

##### **Alimentation**

L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent être prises afin d'éviter que le système de mise à la terre de l'appareil ne soit désengagé.

##### **Risque**

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant.

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appareil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Assurez que l'appareil est fourni de la propre ventilation.

Les dispositifs marqués d'un symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection extérieure doivent être effectués par un opérateur formé ou en utilisant des cordons déjà préparés.

##### **Cordon d'Alimentation**

Évitez d'endommager le cordon d'alimentation. N'UTILISEZ PAS L'APPAREIL si le cordon d'alimentation est endommagé.

##### **Service**

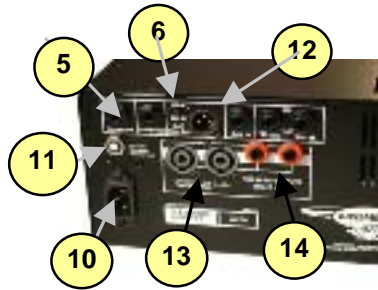
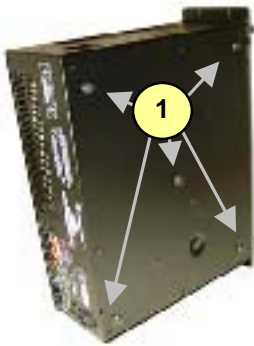
Consultez un technicien qualifié pour l'entretien de votre appareil.



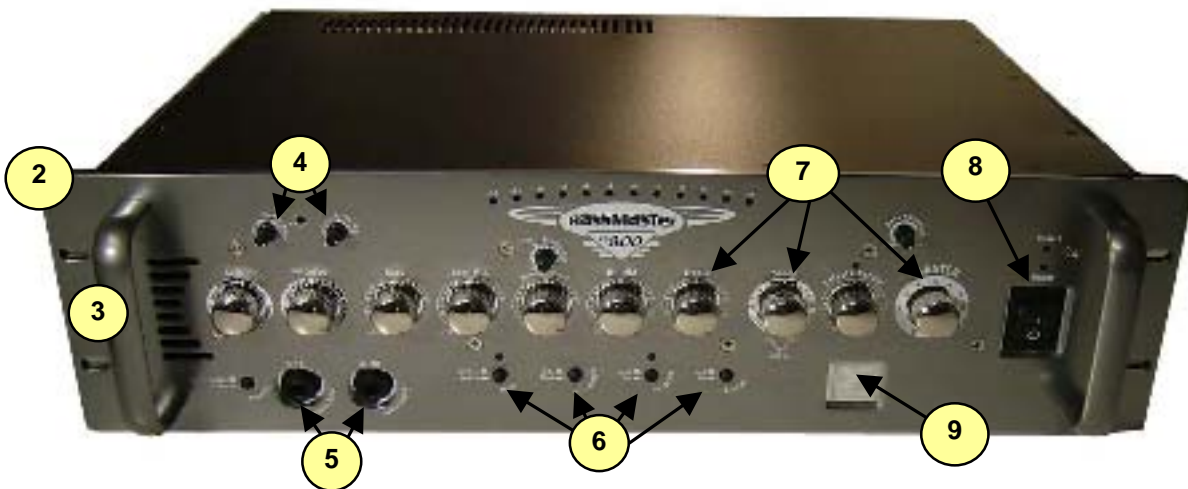


# XS800H

## Bassmaster Series



16 not shown



| #                  | Part#          | Description                         |
|--------------------|----------------|-------------------------------------|
| Labeled Components |                |                                     |
| 1                  | 3801           | 5/8" BUMPER BUTTON BLACK            |
| 2                  | Z667           | XS800H FRONT                        |
| 3                  | Z695           | XS800H HANDLE                       |
| 4                  | 4467/4474/4475 | 10K/100K/100K 12MM HOR KNRLSHFT P36 |
| 5                  | 3450           | 1/4 ALL GOLD PC MNT JK SKT          |
| 6                  | 8636           | BUTTON KNOB FLAT BLACK              |
| 7                  | 8400           | BASSMASTER KNOB, NICKEL W/STOPP     |
| 8                  | 3587           | DPDT ROKR SW QUIK 250*AC/PWR ON     |
| 9                  | Z668           | XS800H LEXAN                        |
| 10                 | 3645           | AC SOCKET RECEPTACLE WITH 0.250     |
| 11                 | 2408           | 8.0 AMP CIRCUIT BREAKER             |
| 12                 | 3923           | XLR MALE PCB MT HORZ MTHOLE-V SNAP  |
| 13                 | 6956           | SPKON 4C PCB MT HORZ GRY #4         |
| 14                 | 3449           | REAN JACK NUT RED                   |
| 15                 | 3426           | 8' 3/16 SJT AC LINE CORD REMOVE     |
| 16                 | 12AX7          | 12AX7 DUAL TRIODE PREAMP TUBE       |
| 17                 |                |                                     |
| 18                 |                |                                     |
| 19                 |                |                                     |
| 20                 |                |                                     |
| 21                 |                |                                     |
| 22                 |                |                                     |

\*NOTE: Replacement grills & HF Driver supports are 'Special-Order' and are only available while the model is in production.

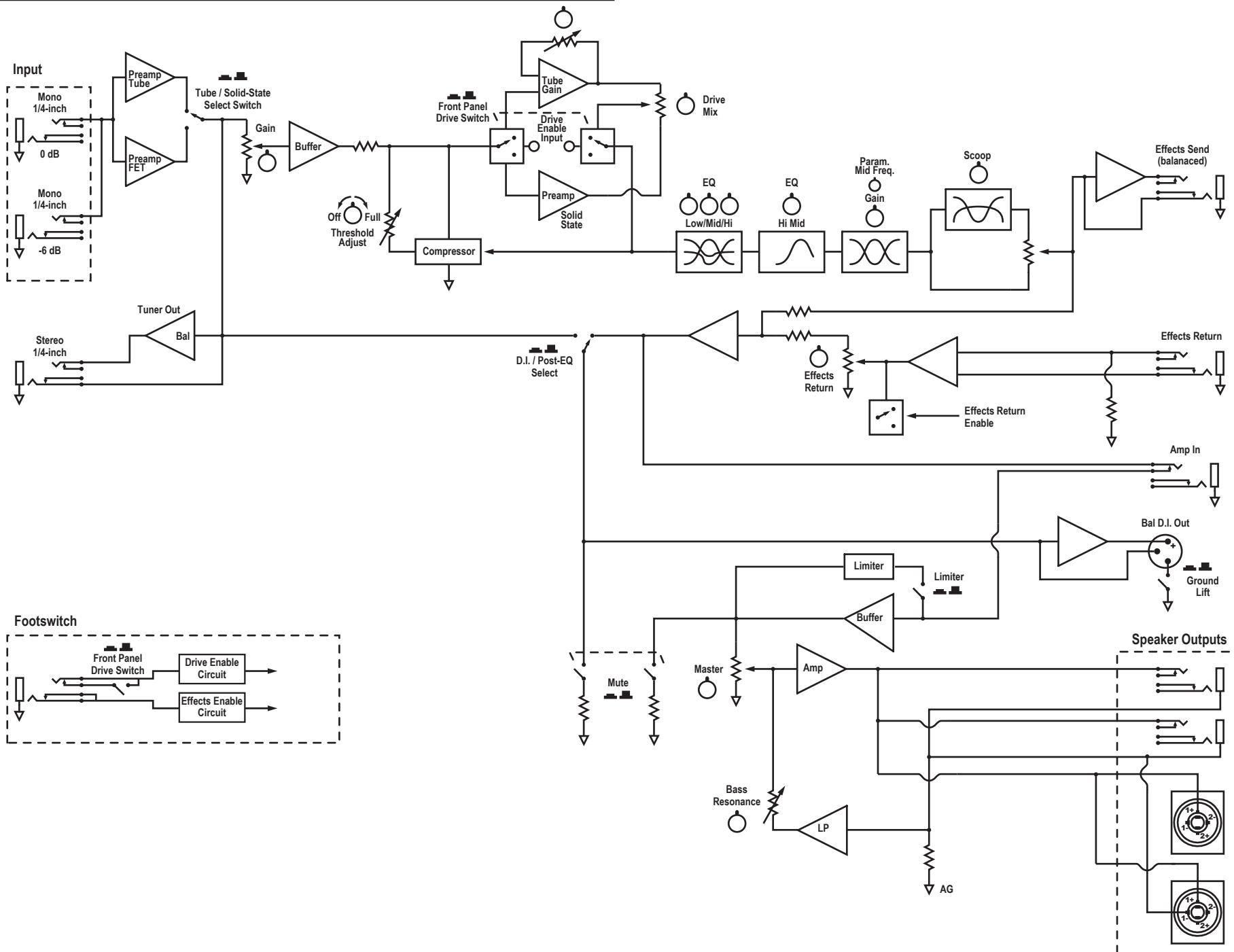
‡ Grilles & Support replacements are for CURRENT models only.

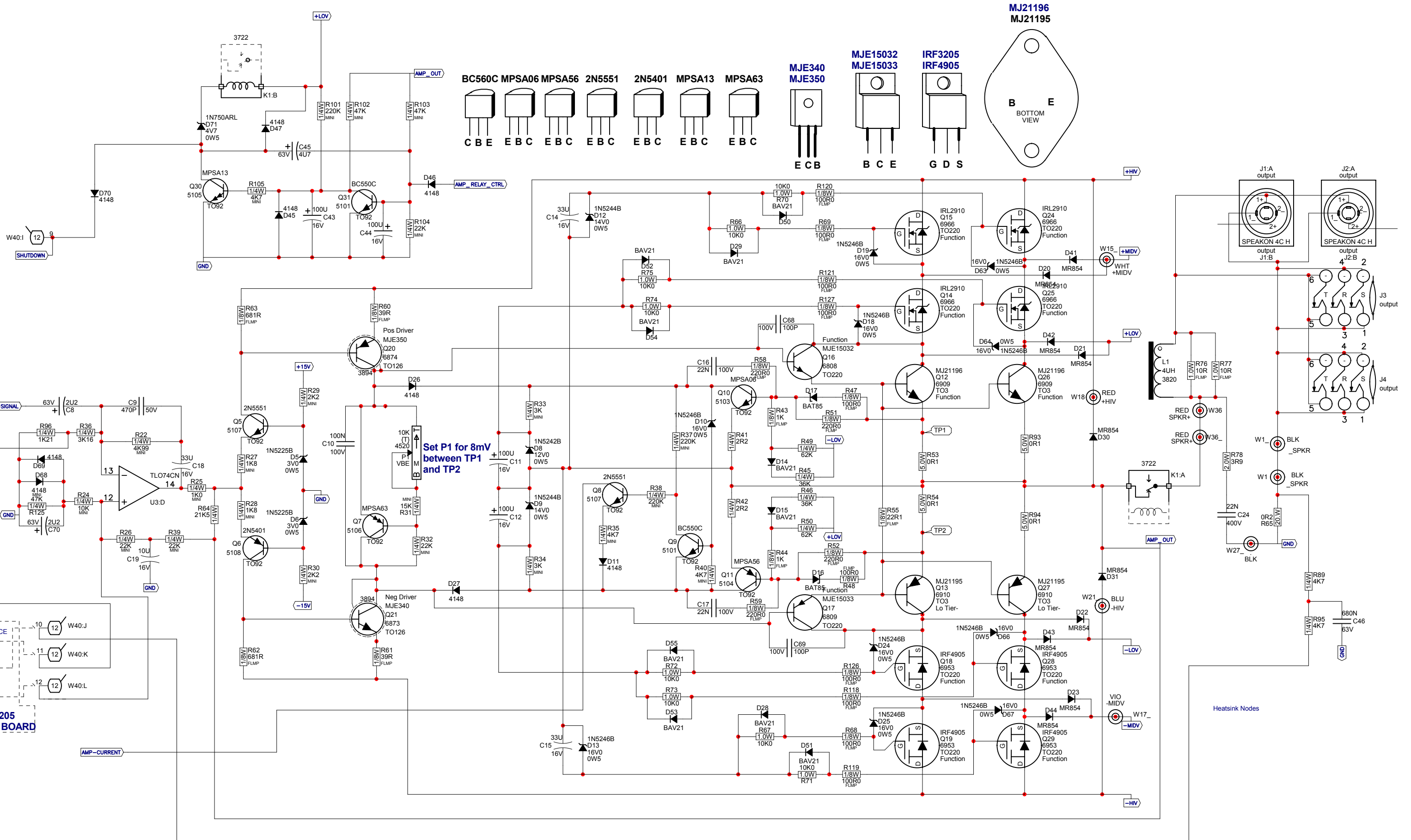
\*\* Internal Lightbulb not shown

**Real Gear.  
Real People.**

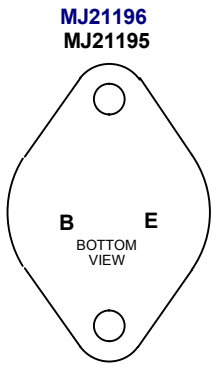
# Block Diagram for XS800H

DESIGNED AND MANUFACTURED BY YORKVILLE SOUND





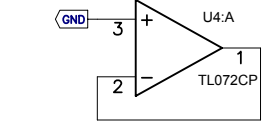
- BC560C  
C B E
- MPSA06  
E B C
- MPSA56  
E B C
- 2N5551  
E B C
- 2N5401  
E B C
- MPSA13  
E B C
- MPSA63  
E B C
- MJE340  
E C B
- MJE15032  
B C E
- MJE15033  
B C E
- IRF3205  
G D S
- IRF4905  
G D S



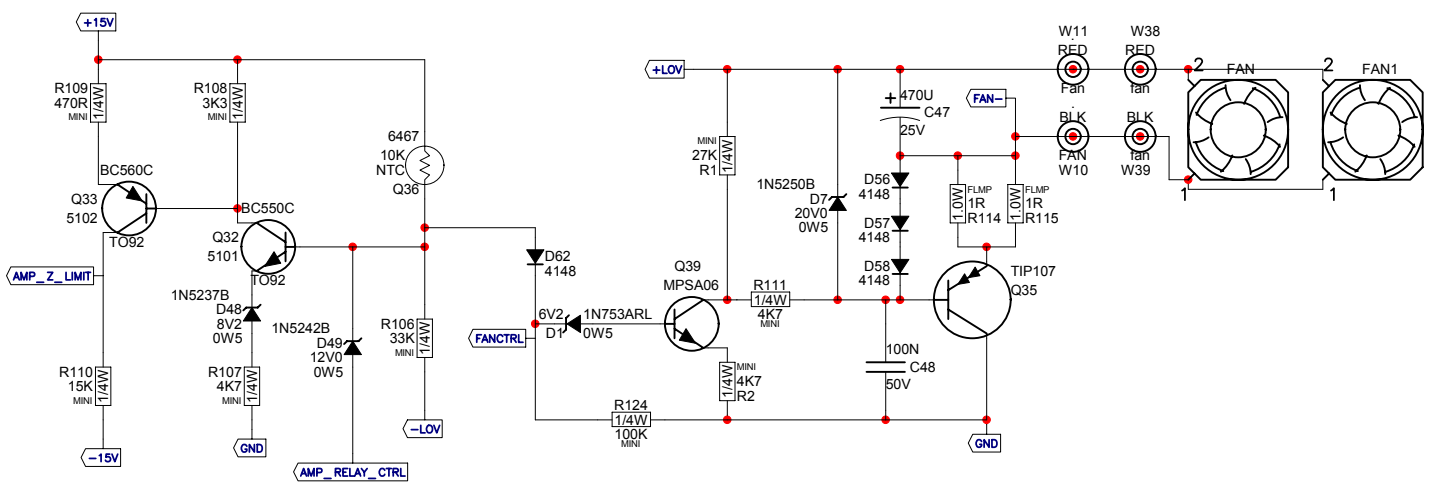
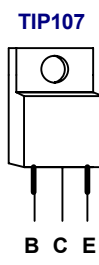
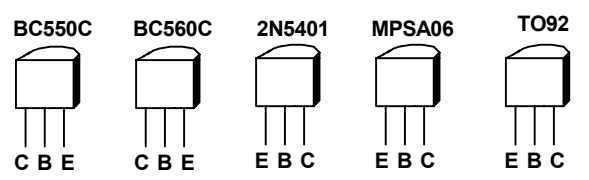
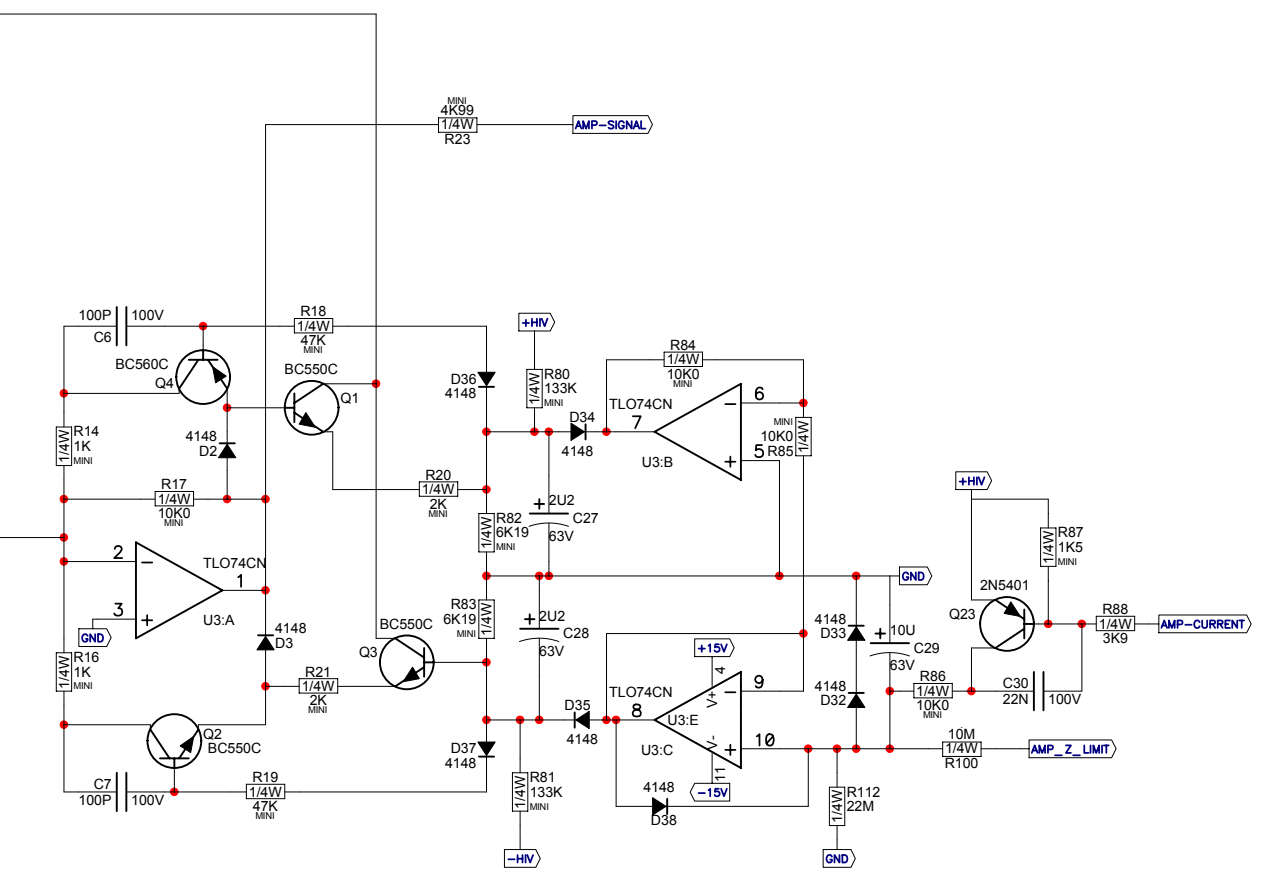
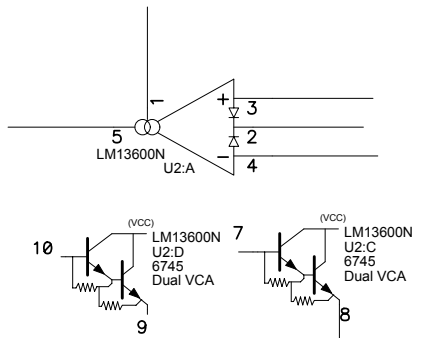
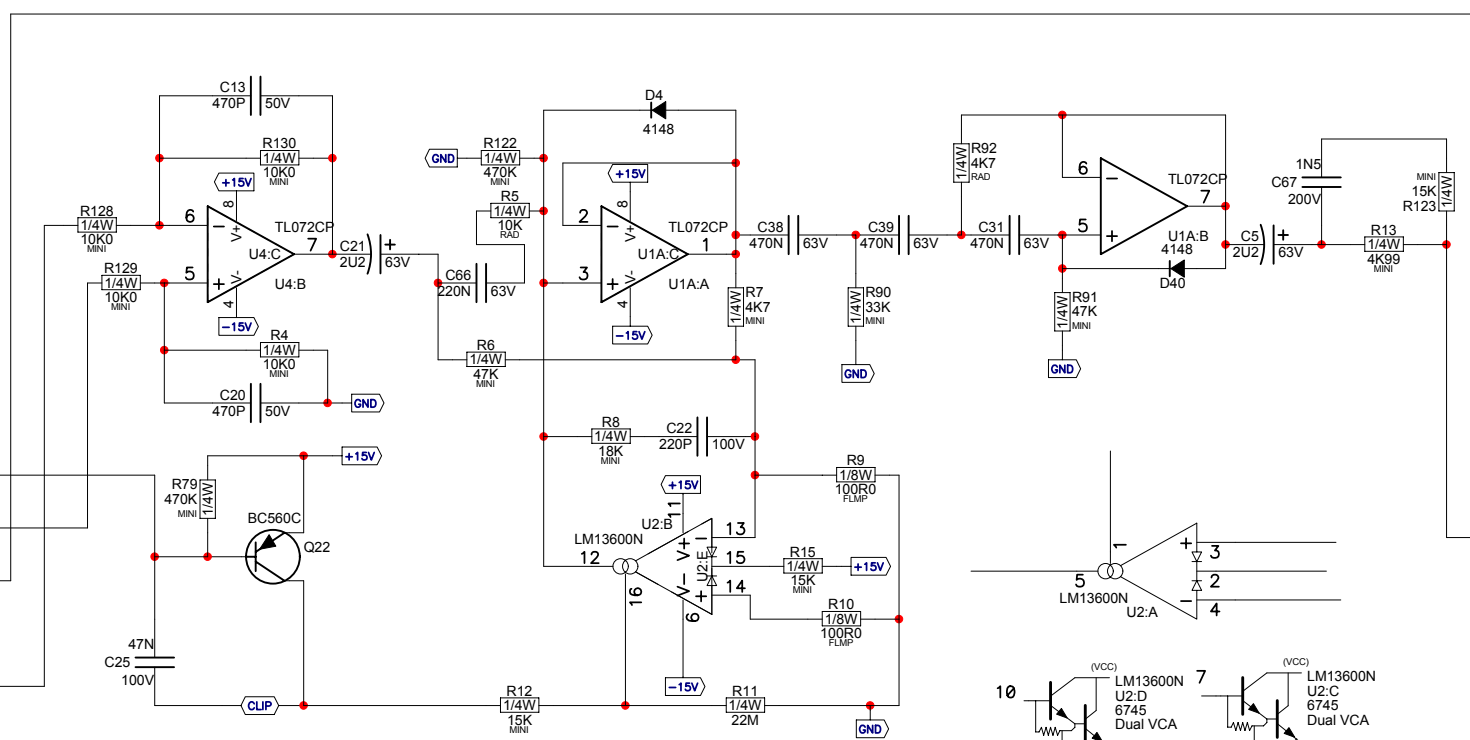
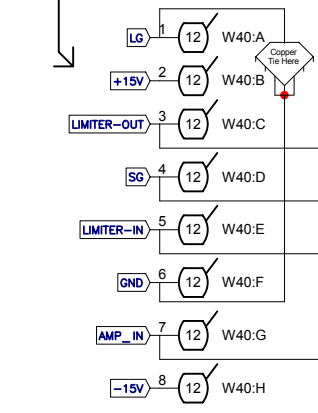
Set P1 for 8mV between TP1 and TP2

FROM M1205 PRE-AMP BOARD





IN FROM M1205 PRE-AMP BOARD

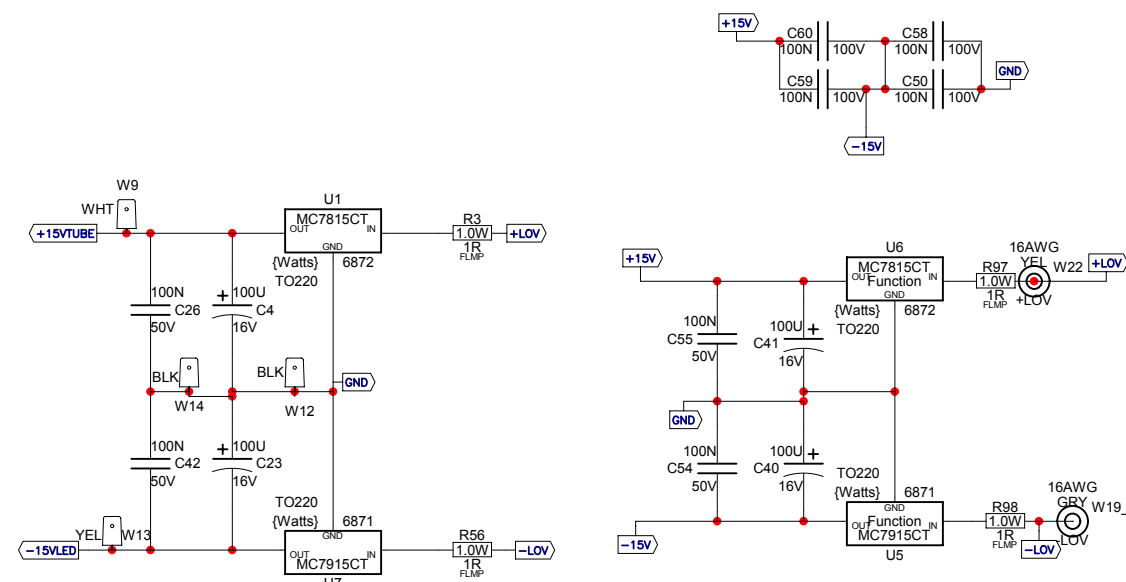
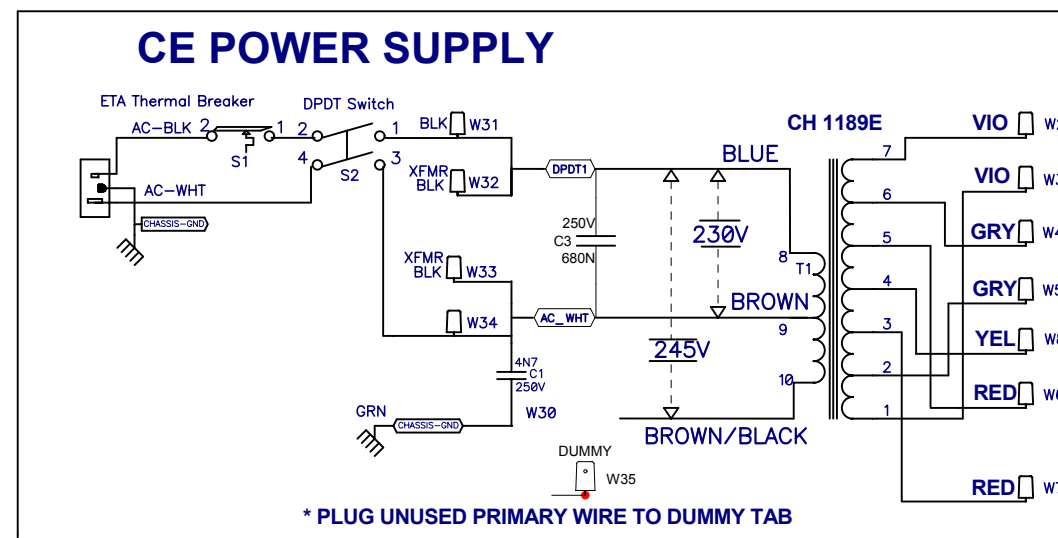
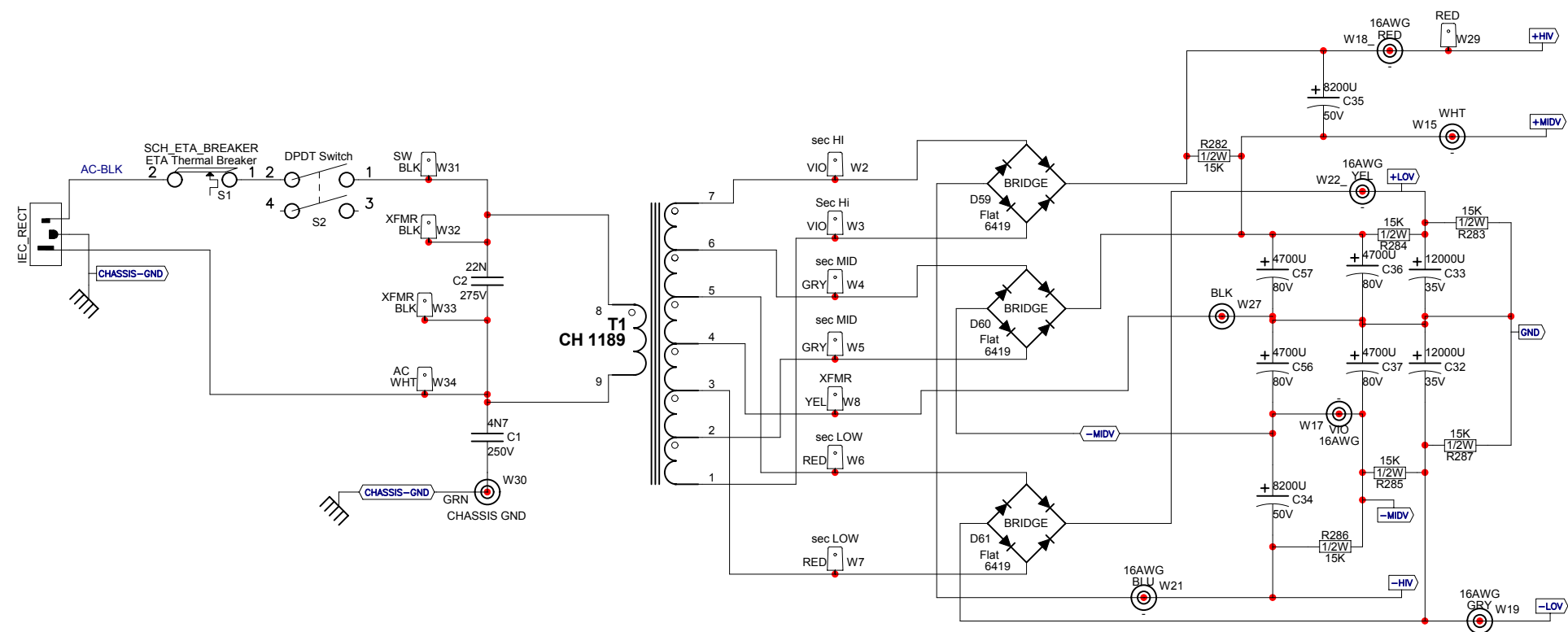


| M1204 HISTORY |             |       |   |
|---------------|-------------|-------|---|
| MODEL(S):-    | XS800H      |       |   |
| #             | DATE        | VER#  | DESCRIPTION OF CHANGE   |
| 1             | D           | V1.00 | N   |
| 2             | NOV-29-2004 | V2.00 | PC#6774: WIDEN CLEARANCE UNDER C1 AND SOLID COPPER POURS (GT) |
| 3             | .           | .     | PC#6762: Q36 Thermistor changed to hand insert                |
| 4             | MAY-06-2005 | V2.10 | PC6895: CHANGE ALL #6954 IRF3205 TO #6966 IRL2910             |
| 5             | D           | V     | N   |
| 6             | D           | V     | N   |
| 7             | D           | V     | N   |
| 8             | D           | V     | N   |
| 9             | D           | V     | N   |
| 10            | D           | V     | N   |
| 11            | D           | V     | N   |
| 12            | D           | V     | N   |
| 13            | D           | V     | N   |

| M1204 PENDING CHANGES |        |                |
|-----------------------|--------|----------------|
| MODEL(S):-            | XS800H |                |
| #                     | PC#    | PENDING CHANGE |
| 1                     | PC     | X              |
| 2                     | PC     | X              |
| 3                     | PC     | X              |
| 4                     | PC     | X              |
| 5                     | PC     | X              |
| 6                     | PC     | X              |

\*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY



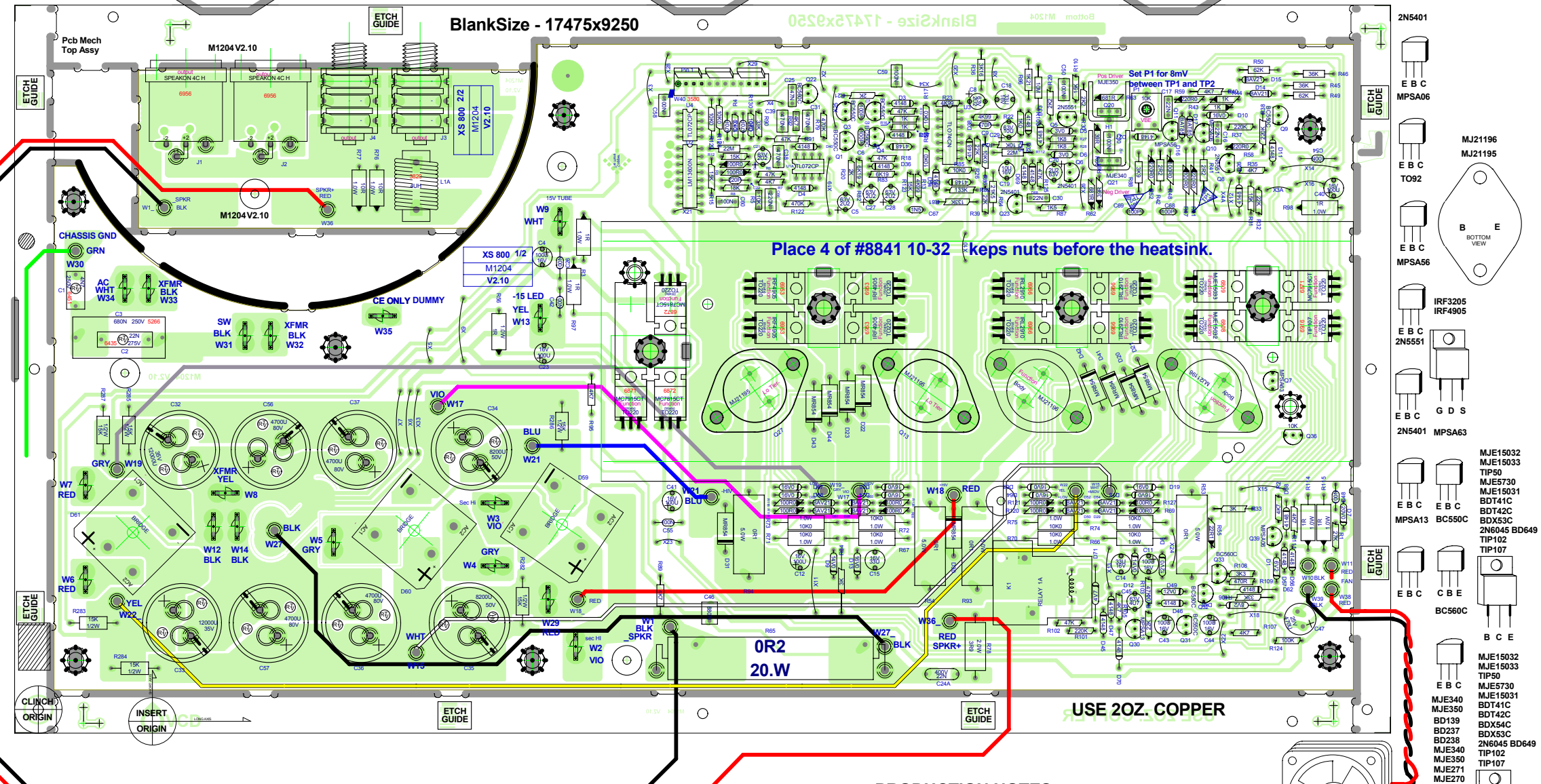




BlankSize - 17475x9250

BlankSize - 17475x9250

Bottom M1204

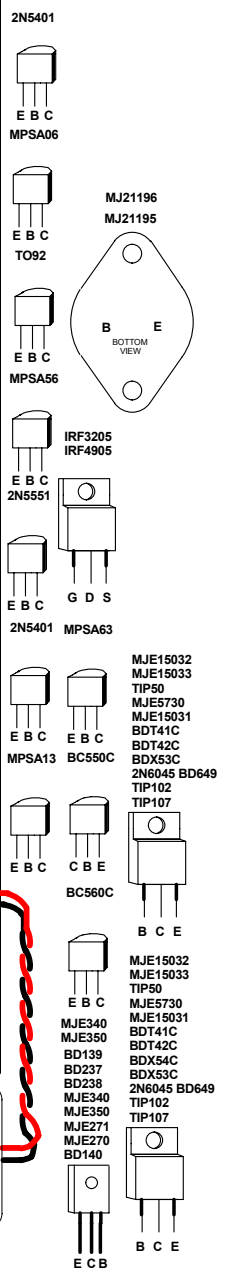
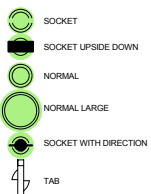
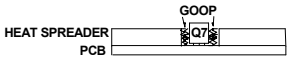


Place 4 of #8841 10-32 keeps nuts before the heatsink.

USE 20Z. COPPER

**PRODUCTION NOTES**

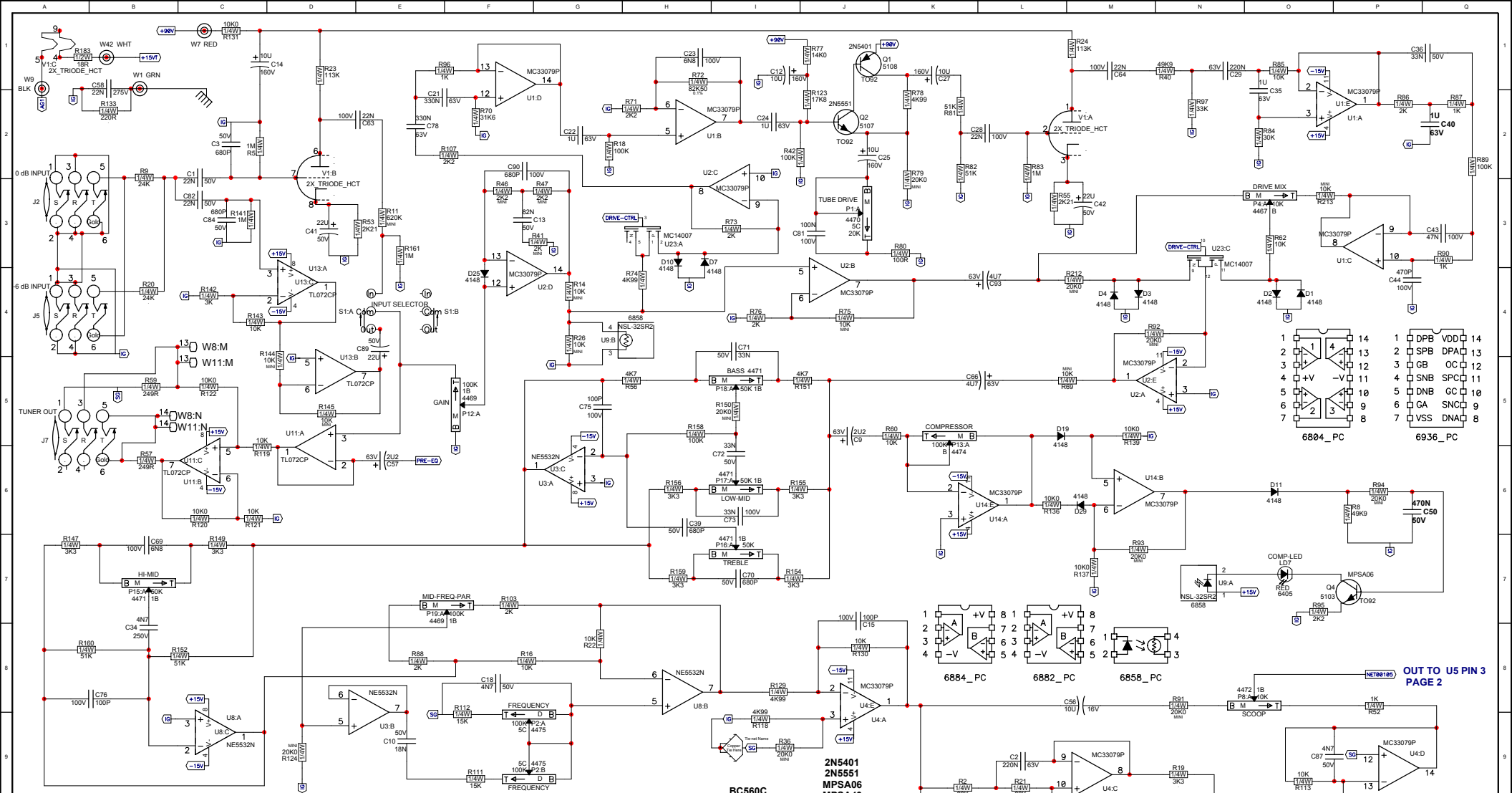
- 1 - MOUNT Q12,Q13,Q26,Q27 SCREWS FROM THE TOP
- 2 - BOARD ASSEMBLY: INSERT Q36 #6467 10K THERMISTOR BY HAND
- 3 - FILL SPACE BETWEEN HEATSPREADER AND Q7 AND Q36 WITH THERMAL GOOP



| M1204 HISTORY |        |   |
|---------------|--------|---|
| MODEL(S):-    | XS800H |   |
| #             | DATE   | DESCRIPTION OF CHANGE   |
| 1             | D      | NOV-29-2004   |
| 2             | D      | V1.00   |
| 3             | D      | V2.00   |
| 4             | D      | N PC#6774: WIDEN CLEARANCE UNDER C1 AND SOLID COPPER POURS (GT) |
| 5             | D      | V2.10   |
| 6             | D      | PC#6762: Q36 Thermistor changed to hand insert                  |
| 7             | D      | PC#6895: CHANGE ALL #6954 IRF3205 TO #6966 IRL2910              |
| 8             | D      | V   |
| 9             | D      | V   |
| 10            | D      | V   |
| 11            | D      | V   |
| 12            | D      | V   |
| 13            | D      | V   |

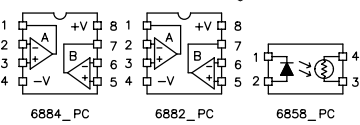
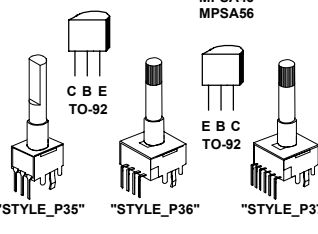
| M1204 DRILL HISTORY   |        |                       |
|-----------------------|--------|-----------------------|
| MODEL(S):-            | XS800H |                       |
| #                     | DATE   | DESCRIPTION OF CHANGE |
| 1                     | D      | V                     |
| 2                     | D      | V                     |
| 3                     | D      | V                     |
| 4                     | D      | V                     |
| 5                     | D      | V                     |
| 6                     | D      | V                     |
| M1204 PENDING CHANGES |        |                       |
| MODEL(S):-            | XS800H |                       |
| #                     | PC#    | PENDING CHANGE        |
| 1                     | PC     | X                     |
| 2                     | PC     | X                     |
| 3                     | PC     | X                     |
| 4                     | PC     | X                     |
| 5                     | PC     | X                     |
| 6                     | PC     | X                     |

\*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

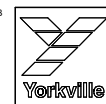


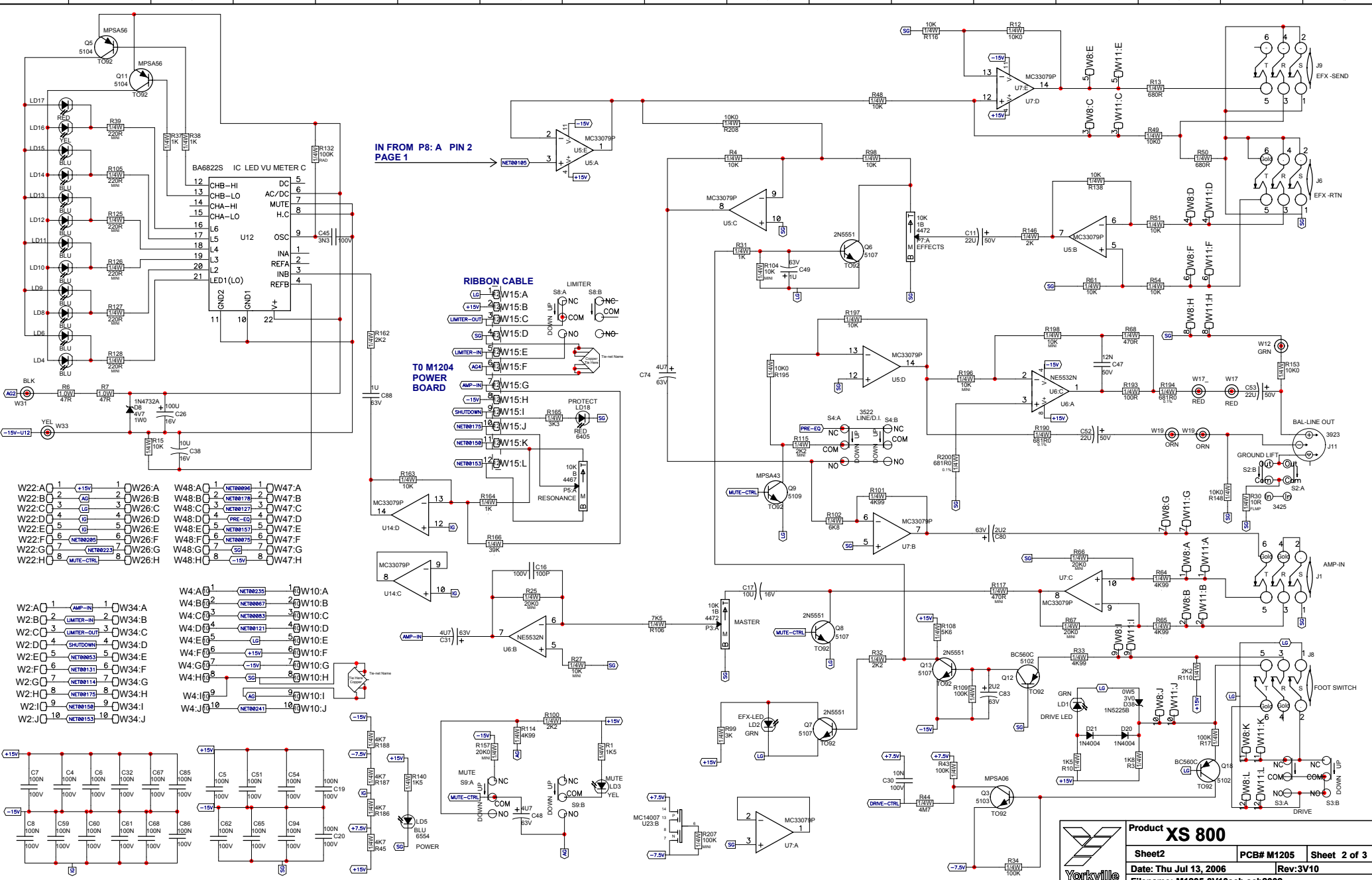
| M1205.PCB_DATABASE_HISTORY |             |      |  |
|----------------------------|-------------|------|--|
| MODEL(S):-                 | XS 800      | VER# | DESCRIPTION OF CHANGE  |
| 1                          | D           | 1.00 | N  |
| 2                          | JUN-30-2004 | 1.10 | PC#6708 C30 FROM 10N TO 18N (#5204 TO #5207)                     |
| 3                          | AUG-13-2004 | V    | CHANGED SPACER MOUNTING HOLES FROM HOLE .156 TO HOLE .140        |
| 4                          | D           | V    |  |
| 5                          | AUG-23-2004 | 1.20 | PC#6719 C30' FROM 18N TO 33N (#5207 TO #5222)                    |
| 6                          | AUG-31-2004 | 2.00 | Added testnodes and pads for Agilent and changed C30 back to 10N |
| 7                          | D           | V    |  |
| 8                          | OCT-18-2005 | 3.00 | AH: PC#6937: UPDATE TUBE SOCKET                                  |
| 9                          | JUN-22-2006 | 3.10 | AH: PC#7091: ENLARGE HOLE SIZE FOR #3522                         |
| 10                         | D           | V    |  |
| 11                         | D           | V    |  |
| 12                         | D           | V    |  |
| 13                         | D           | V    |  |
| 14                         | D           | V    |  |

| M1205      |                |      |                      |
|------------|----------------|------|----------------------|
| MODEL(S):- | XS 800         | REF  | FUNCTION/ PART# KNOB |
| P2, P5     | DRIVE MIX      | RES3 | 4467 8400 STYLE P38  |
| P12 / P19  | GAIN, MID-FREQ | 4469 | 8400 STYLE P35       |
| P11        | TUBE DRIVE     | 4470 | 8400 STYLE P35       |
| P15        | HI-MID         | 4471 | 8400 STYLE P35       |
| P16        | TREBLE         | 4471 | 8400 STYLE P35       |
| P17        | LOW-MID        | 4471 | 8400 STYLE P35       |
| P18        | BASS           | 4471 | 8400 STYLE P35       |
| P3         | MASTER         | 4472 | 8400 STYLE P35       |
| P7         | EFFECTS        | 4472 | 8400 STYLE P35       |
| P8         | SCOOP          | 4472 | 8400 STYLE P35       |
| P13        | COMPRESSOR     | 4474 | 8400 STYLE P36       |
| P2         | FREQUENCY      | 4475 | 8400 STYLE P37       |



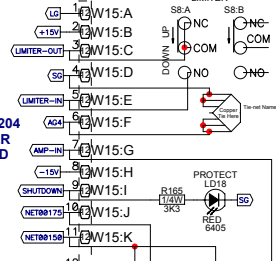
OUT TO U5 PIN 3  
PAGE 2



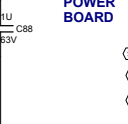


IN FROM P8: A PIN 2  
PAGE 1

**RIBBON CABLE**

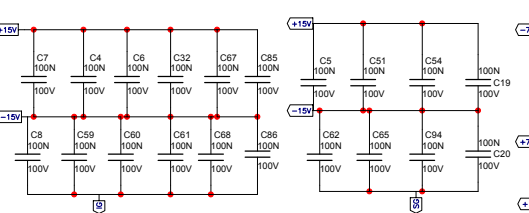


**TO M1204  
POWER BOARD**



- W22:A 0 1 W26:A
- W22:B 0 2 W26:B
- W22:C 0 3 W26:C
- W22:D 0 4 W26:D
- W22:E 0 5 W26:E
- W22:F 0 6 W26:F
- W22:G 0 7 W26:G
- W22:H 0 8 W26:H
- W48:A 0 1 W47:A
- W48:B 0 2 W47:B
- W48:C 0 3 W47:C
- W48:D 0 4 W47:D
- W48:E 0 5 W47:E
- W48:F 0 6 W47:F
- W48:G 0 7 W47:G
- W48:H 0 8 W47:H

- W2:A 0 1 W34:A
- W2:B 0 2 W34:B
- W2:C 0 3 W34:C
- W2:D 0 4 W34:D
- W2:E 0 5 W34:E
- W2:F 0 6 W34:F
- W2:G 0 7 W34:G
- W2:H 0 8 W34:H
- W2:I 0 9 W34:I
- W2:J 0 10 W34:J
- W4:A 0 1 W10:A
- W4:B 0 2 W10:B
- W4:C 0 3 W10:C
- W4:D 0 4 W10:D
- W4:E 0 5 W10:E
- W4:F 0 6 W10:F
- W4:G 0 7 W10:G
- W4:H 0 8 W10:H
- W4:I 0 9 W10:I
- W4:J 0 10 W10:J



Pcb Mech M12053V10  
Top Assy M12053V10

BlankSize - 18775x11050

BlankSize - 18775x11050

Bottom

ETCH GUIDE

ETCH GUIDE

M1205 3V10

M1205 1/4  
XS800  
3V10

M1205 2/4  
XS800  
3V10

M1205 3/4  
XS800  
3V10

M1205 4/4  
XS800  
3V10

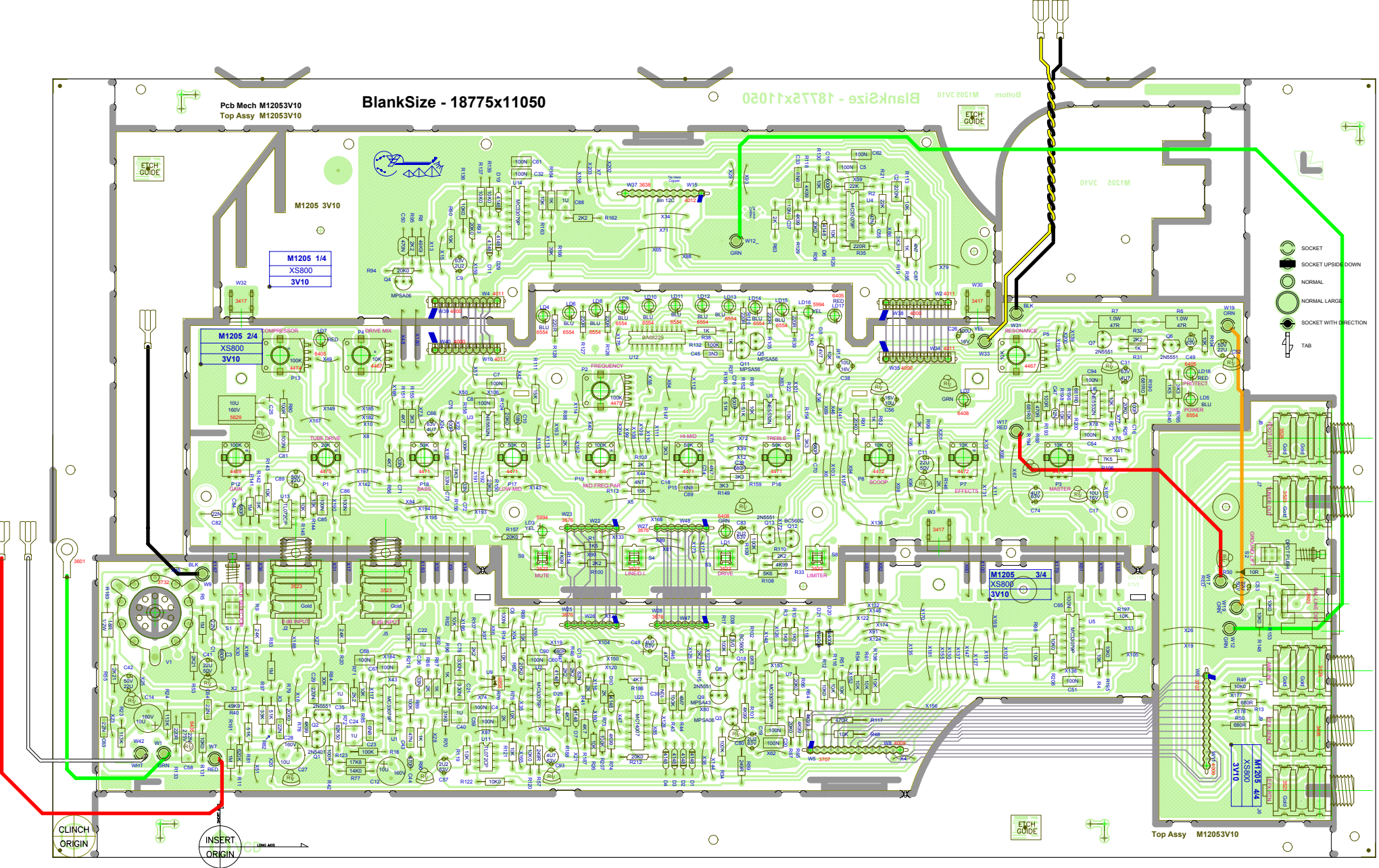
Top Assy M12053V10

- SOCKET
- SOCKET UPSIDE DOWN
- NORMAL
- NORMAL LARGE
- SOCKET WITH DIRECTION
- TAB

CLINCH ORIGIN

INSERT ORIGIN

ETCH GUIDE

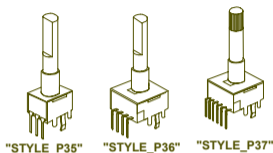




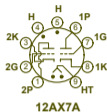
SEE LAYOUT DIAGRAM



| M1205             |                  |       |      |     |
|-------------------|------------------|-------|------|-----|
| MODEL(S):- XS 800 |                  |       |      |     |
| REF               | FUNCTION         | PART# | KNOB |     |
| P4 , P5           | DRIVE MIX , RESO | 4467  | 8400 | P36 |
| P12 / P19         | GAIN , MID-FREQ  | 4469  | 8400 | P35 |
| P1                | TUBE DRIVE       | 4470  | 8400 | P35 |
| P15               | HI-MID           | 4471  | 8400 | P35 |
| P16               | TREBLE           | 4471  | 8400 | P35 |
| P17               | LOW-MID          | 4471  | 8400 | P35 |
| P18               | BASS             | 4471  | 8400 | P35 |
| P3                | MASTER           | 4472  | 8400 | P35 |
| P7                | EFFECTS          | 4472  | 8400 | P35 |
| P8                | SCOOP            | 4472  | 8400 | P35 |
| P13               | COMPRESSOR       | 4474  | 8400 | P36 |
| P2                | FREQUENCY        | 4475  | 8400 | P37 |



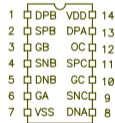
2N5401  
2N5551  
MPSA06  
MPSA43  
MPSA56



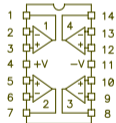
12AX7A



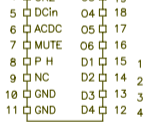
TL072CP



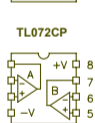
MC14007



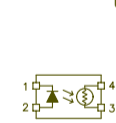
MC33079P



BA6822S



NE5532N



NSL-32SR2

### PRODUCTION NOTES

- 1- BEND C25 CAP BEFORE WAVE SOLDERING
- 2- CUT METAL PIN ON XLR #3923 AS SHOWN
- 3- MANUALLY INSERT U12 AND CLINCH:  
A) TOP LEFT FOUR PINS AND  
B) BOTOM RIGHT FIVE PINS FROM UNDER THE BOARD



U12 LOOKING FROM BENEATH BOARD



pt#3923  
THIS CONNECTION  
MUST BE BROKEN  
HERE

| NOTE ABOUT DRILL FILE  |      |      |  |
|------------------------|------|------|--|
| MODEL(S):- XS800 M1205 |      |      |  |
| #                      | DATE | VER# | DESCRIPTION OF CHANGE                      |
| 1                      | D    | V    | POST PROCESSING REQUIRED                   |
| 2                      | D    | V    | IN THE EXCELLON DRILL FILE                 |
| 3                      | D    | V    | CHANGE T8 CO.062 TO .063                   |
| 4                      | D    | V    | SEARCH FOR THE TOOL THAT WAS CHANGED ABOVE |
| 5                      | D    | V    | PUT PAIRS OF HOLES ONTO THE SAME LINE WITH |
| 6                      | D    | V    | G85 BETWEEN THEM.                          |
| 7                      | D    | V    | N  |
| 8                      | D    | V    | N  |
| 9                      | D    | V    | N  |
| 10                     | D    | V    | N  |
| 11                     | D    | V    | N  |
| 12                     | D    | V    | N  |
| 13                     | D    | V    | N  |

| M1205 PENDING CHANGES |     |                |
|-----------------------|-----|----------------|
| MODEL(S):- XS800      |     |                |
| #                     | PC# | PENDING CHANGE |
| 1                     | PC  | X              |
| 2                     | PC  | X              |
| 3                     | PC  | X              |
| 4                     | PC  | X              |
| 5                     | PC  | X              |
| 6                     | PC  | X              |
| 7                     | PC  | X              |
| 8                     | PC  | X              |
| 9                     | PC  | X              |
| 10                    | PC  | X              |
| 11                    | PC  | X              |
| 12                    | PC  | X              |
| 13                    | PC  | X              |

\*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

# XS 800 POWER BOARD 3801 BUMPER LOCATION

